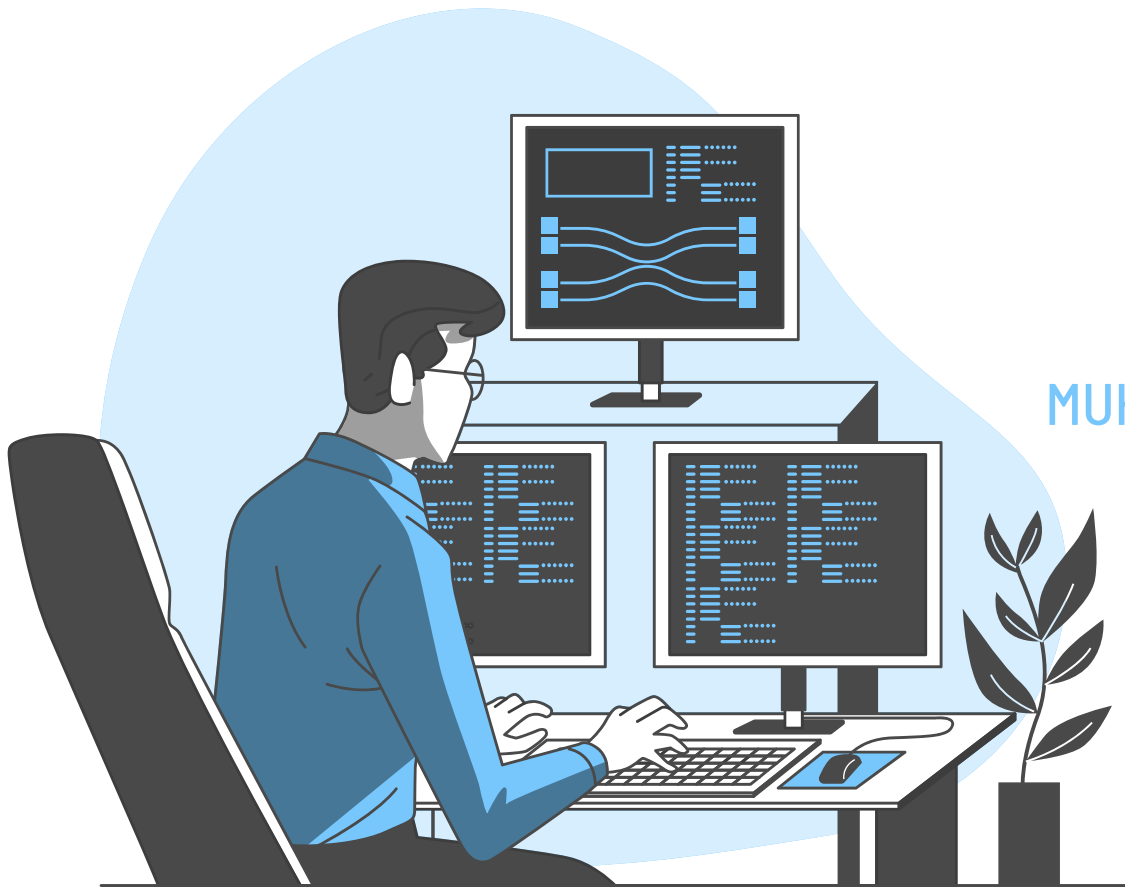




PORTFOLIO

MUHAMMAD RIFKY ZENA YUDHA

Computer Science Graduate
Web Developer
Software Tester

Last Updated: August 2025



About Me

I am a Computer Science graduate with a strong foundation in software testing and a passion for building reliable, user-focused systems. My experience in QA and mobile application testing has sharpened my ability to identify issues early, optimize workflows, and ensure product quality. I thrive in environments that require analytical thinking, adaptability, and continuous learning. Beyond technical skills, I value clarity, collaboration, and purpose-driven work—where technology is not just functional, but impactful.

...

<https://rifkyzena-dev.netlify.app>

General Skills



Tech Stack, Tools, and Software

HTML, CSS, JavaScript, SQL, Python, PHP, Java, Laravel, React, Unity

Microsoft Office, Canva, Postman, Selenium, Git/Github
...



Soft Skills

Efficient in documenting and reporting project findings clearly.

Patient and thorough in reviewing work and troubleshooting.

...



Certifications

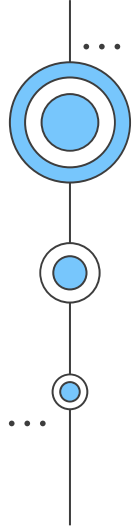
Udemy – Rest API Testing (Automation) from Scratch-Rest Assured Java

TOEFL ITP – Score 613/677 (C1 English)

Udemy – The Complete 2024 Software Testing Bootcamp

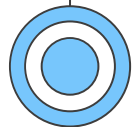
Udemy – Complete C# Unity Game Developer 2D

BUMN Magenta – Program Magang Mahasiswa Bersertifikat (PMMB)

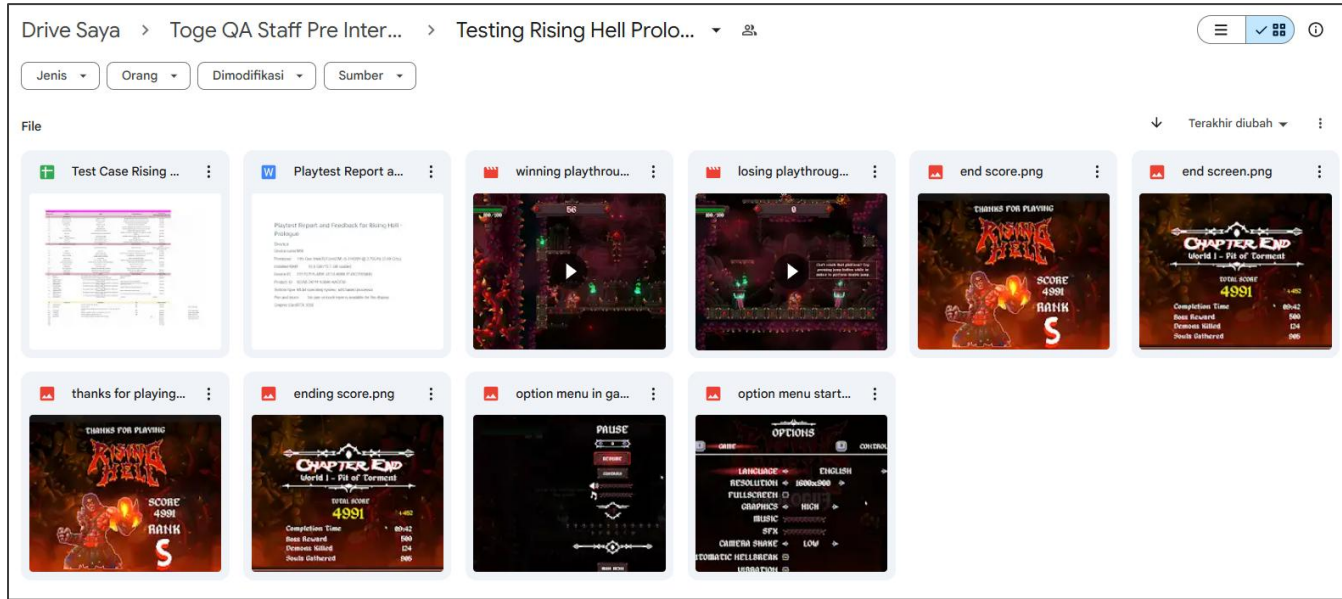


Projects (2025)

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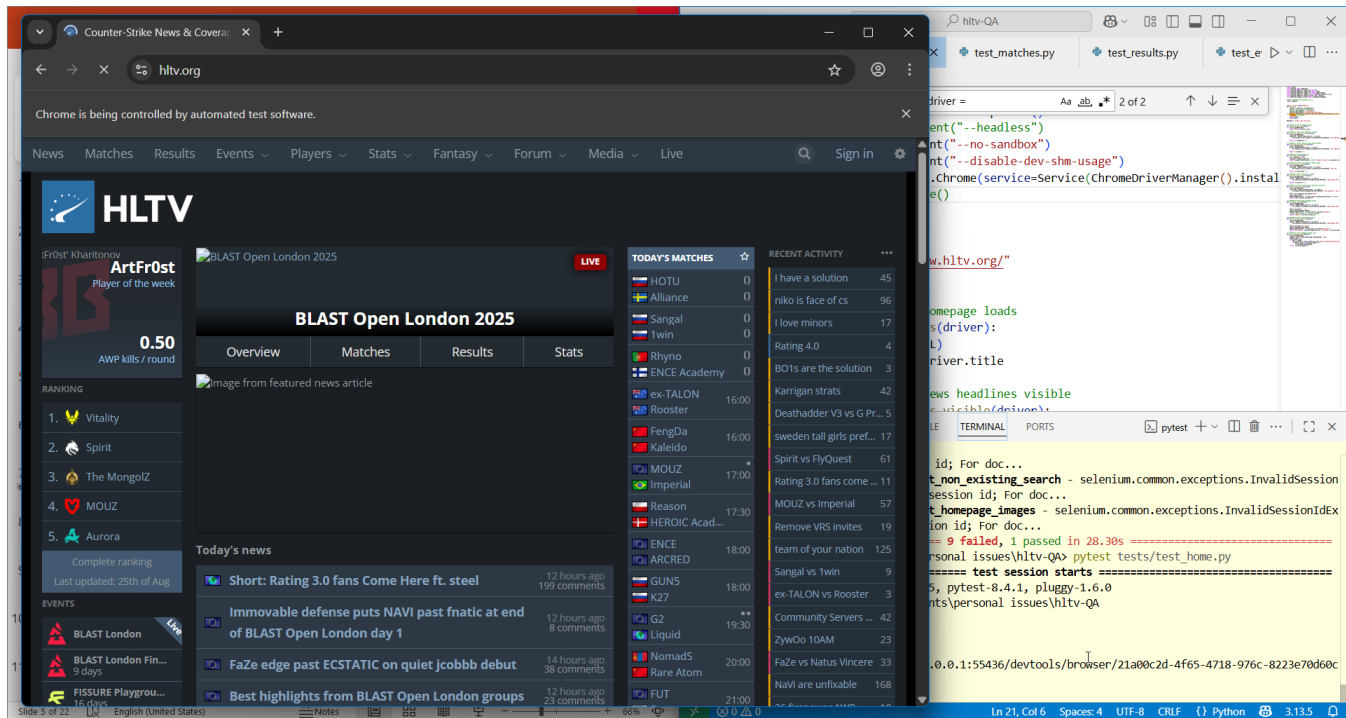
Rising Hell – Prologue Quality Assurance Playtesting (Toge Production)



Rising Hell is a challenging 2D platformer game that challenges players to navigate vertical levels full of obstacles, enemies, and unique roguelite mechanics. This project aims to ensure that every element of the game runs smoothly, including character controls, level mechanics, object interactions, and bug detection that can affect the player experience. There are over 200 test cases covering aspects such as UI/UX, Combat & Enemy Interaction, Level Design, Audio Visual, and Abilities

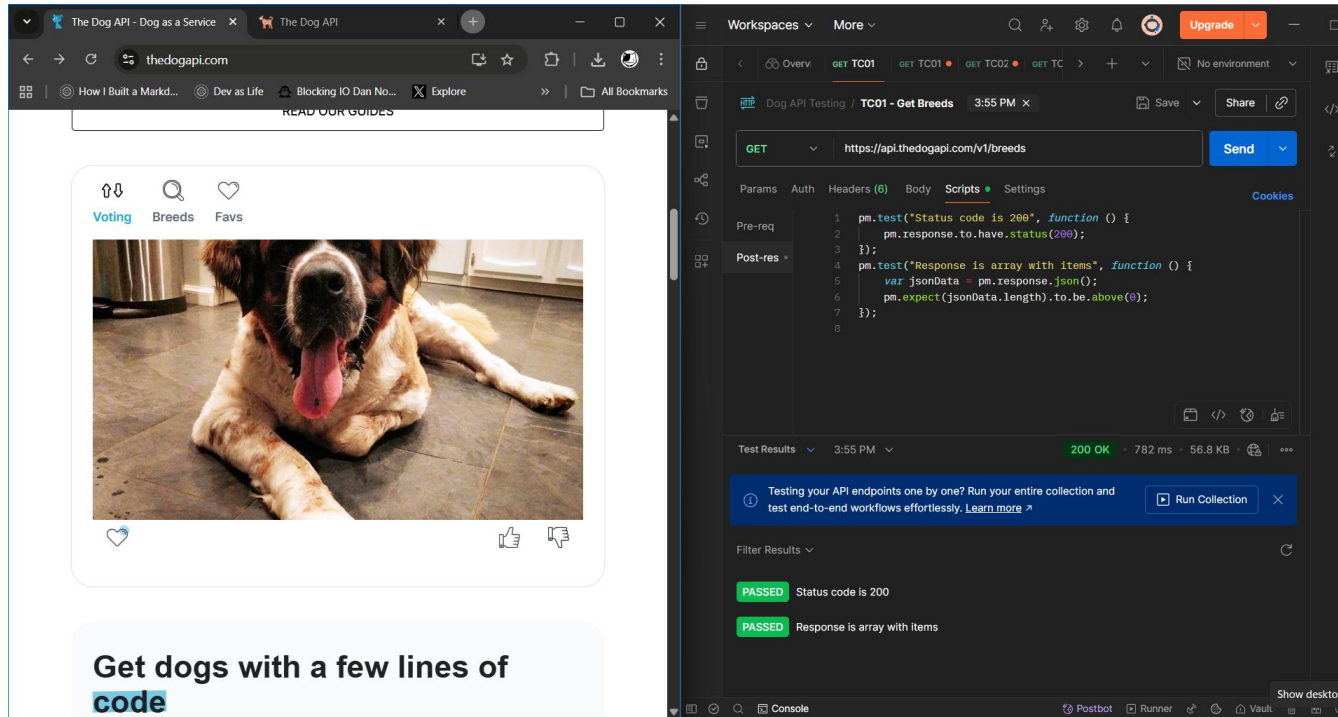
Project link: https://drive.google.com/drive/folders/1MTXNrAcwjumNiPs_cF61r0Map8Qx-lg4?usp=sharing

HLTV.org Automation Testing with Selenium (August 2025)



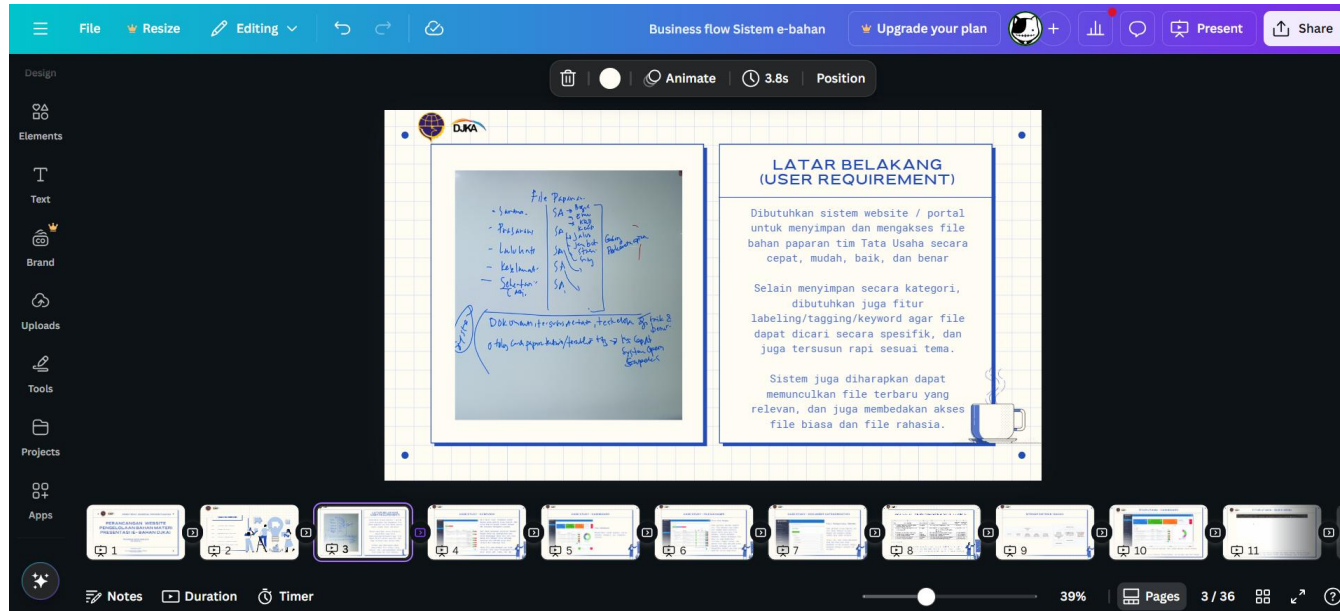
HLTV.org is an esports news and forum website for the Counter-Strike 2 game. The testing process for this website began with the design of 60 manual test cases across six main modules (Home, Matches, Results, Events, Players, Stats) and automated functional testing of some test cases, including navigation, search, and data visibility. Implementing a project structure organized with Python, WebDriver Manager, and GitHub integration

API Testing Project – The Dog API (Postman & Cucumber BDD) (August 2025)



Developed an API testing project using The Dog API to validate breed data, random image endpoints, and query parameters. Designed and executed 10+ functional test cases in Postman and automated key scenarios with Cucumber BDD and RestAssured to ensure response validity, status codes, and performance.

E-Bahan DJKA (Web Design, Requirement Gathering) (January 2025)



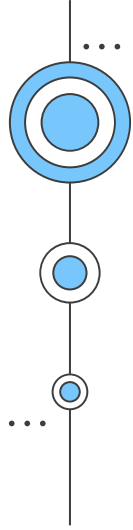
The project aims to develop a Document Management System (DMS), or a web-based portal, to efficiently store, organize, and retrieve presentation materials for the Administrative Team. The system will enable quick, easy, and accurate access to files by allowing users to categorize them and apply specific labels, tags, or keywords for refined, theme-based searches. A key feature will be the ability to display the most recent, relevant files while also managing different access levels for standard and confidential documents. The system will support a variety of file types, including Word, Excel, PDF, videos, and ZIP archives, and will allow for the upload of multiple files within a single document entry, ensuring a comprehensive and user-friendly digital archive.

Eclipse.gg Testing (August 2025)

The image shows a side-by-side comparison of the Eclipse.gg website and a test case spreadsheet. The website on the left features a purple header with navigation links, a main headline '10x Faster With AI! Highlights Ready in Minutes', and a large video player showing a game highlight. The spreadsheet on the right is a test case document with columns for Test Case ID, Feature, Precondition, Steps, and Expected Results. It covers various features like Landing Page, Register/Login, Home, Account Settings, and Streams/Import.

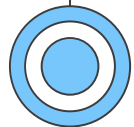
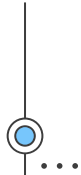
Test Case ID	Feature	Precondition	Steps	Expected
1	Landing Page	Internet is Connected	Open https://eclipse.gg	Page loads success
1.1	Landing Page Load	Internet is Connected	Open https://eclipse.gg	Page loads success
1.2	Navigation - Learn More	Landing Page is open	Click "Learn More" button on any highlighted features	User is redirected to the
1.3	Navigation Menu	Landing Page is open	Click "Features" in top menu	Jumps to Fea
1.4	CTA Button	Landing Page is open	Click "Start for Free"	Redirects to regist
1.5	UI Load	Landing Page is open	Observe logo, text, background images	All UI elements
2	Register/Login			
2.1	Valid Signup	User on Register Page	Enter valid email/password and click Register	Account created and re
2.2	Invalid Email Signup	User on Register Page	Enter invalid email format	Error message shov
2.3	Short Password Signup	User on Register Page	Enter password <6 characters	Error message shov
2.4	Mismatched Passwords	User on Register Page	Enter different password and confirmation	Error: "Passwor
2.5	Empty Fields	User on Register Page	Submit without input	Required field
2.6	Valid Login	User has registered	Enter correct email and password	Redirected to
2.7	Wrong Password	User on Login Page	Enter wrong password	Error: "Invalid
2.8	Nonexistent Email	User on Login Page	Enter unregistered email	Error: "Accoun
2.9	Remember Me	Login Page Open	Check "Remember Me" and login	Next visit sta
2.10	Forgot Password	Login Page Open	Click "Forgot Password"	Password res
3	Home			
3.1	Dashboard	User is logged in	Navigate to Home/Dashboard	User info and st
3.2	Navigation Sidebar	Dashboard is open	Click each icon in sidebar	Redirects to
3.3	Notification Icon	User is logged in	Click notification icon	Notifications
4	Account Settings			
4.1	Load Settings Page	User is logged in	Navigate to settings	Account settings pi
4.2	Update Username	Settings page open	Change username and save	Success mes
4.3	Change Password Valid	Settings page open	Enter current and new valid password	"Password
4.4	Change Password Invalid	Settings page open	Enter wrong current password	Error: "Incorrec
4.5	Link Social Account	Settings page open	Click connect twitch and authorize	Account linke
4.6	Disconnect Social Account	Settings page open	Click disconnect twitch	Twitch disconn
5	Streams/Import			
5.1	Connect Twitch	User logged in	Click Connect Twitch on Import page	O-Auth complet
5.2	Upload Stream Video	User logged in	Upload .mp4 video	Video upload
5.3	Upload Unsupported Format	Import page open	Try to upload .txt file	Error: "Unsupp
5.4	Generate AI Highlight	Uploaded stream exists	Click "Generate Highlight"	Highlight is
5.5	Cancel Upload	Uploading video	Click cancel during upload	Upload cancel

Eclipse.gg is an AI clip maker that automatically turns your Twitch or Kick streams into short highlight videos. It supports over 1,000 games, captures your best moments with precision, and gets your content ready in minutes for TikTok, Reels, and Shorts. I was tasked to make test case for the Landing Page, Register/Login, Home, Account Settings, Streams/Import, Convert to TikTok, AI Edit.

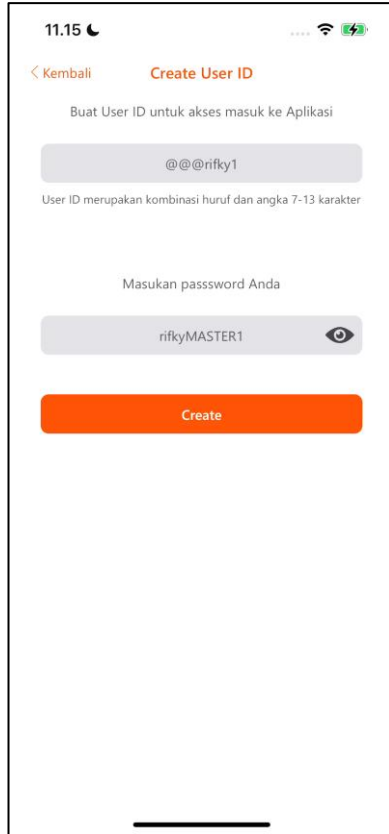


Internship Projects (2023)

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Internship Task 1 – BNI Credit Card Testing



11:15

< Kembali **Create User ID**

Buat User ID untuk akses masuk ke Aplikasi

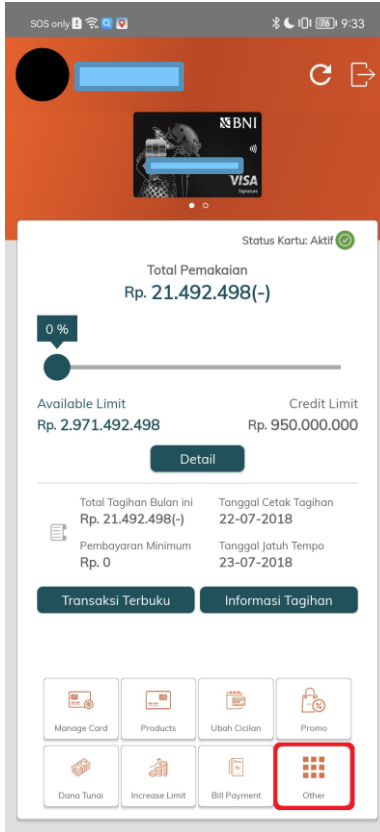
@@@rifky1

User ID merupakan kombinasi huruf dan angka 7-13 karakter

Masukan passssword Anda

rifkyMASTER1

Create



SOS only

9:33

Status Kartu: Aktif

Total Pemakaian
Rp. 21.492.498(-)

0 %

Available Limit
Rp. 2.971.492.498

Credit Limit
Rp. 950.000.000

Detail

Total Tagihan Bulan ini Rp. 21.492.498(-)	Tanggal Cetak Tagihan 22-07-2018
Pembayaran Minimum Rp. 0	Tanggal Jatuh Tempo 23-07-2018

Transaksi Terbuku **Informasi Tagihan**

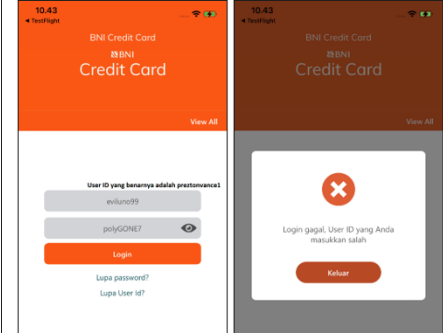
Manage Card Products Ubah Cicilan Promo

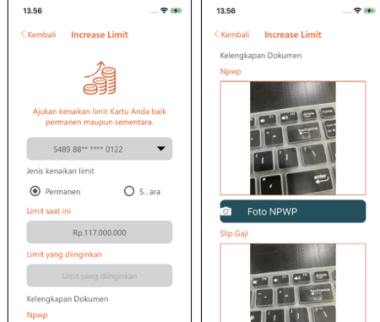
Dana Tunai Increase Limit Bill Payment **Other**

BNI Credit Card is an application used by BNI customers to manage their credit card accounts. There are 3 phases of step testing carried out to find bugs/defects/errors in the application, starting from the Registration, Login, and Main Page menu steps. The BNI Credit Card application was tested on 3 types of mobile devices, namely Android, Huawei, and IOS.

Testing is done to test the integration of the entire system before the update for the implementation of the User ID feature during registration and when customers access the application.

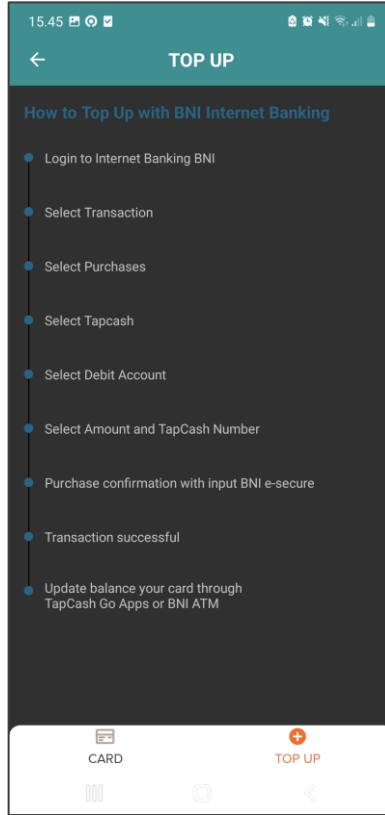
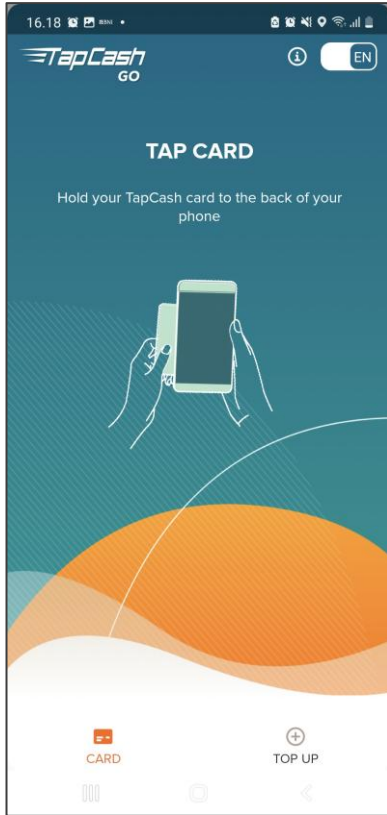
Internship Task 1 – BNI Credit Card Testing

8.2.5 Login : ORG 200
8.2.5.1 Login user ID tidak sesuai
8.2.5.1.1 Preparations - Sudah meregistrasikan Kartu Kredit BNI Corporate / Business untuk membuat akun pada device. - User ID dan password yang terdaftar pada device.
8.2.5.1.2 Exit Acceptance Criteria Muncul notifikasi dan login gagal
8.2.5.1.3 Procedure - Buka aplikasi Mycard setelah melakukan registrasi akun - Input User ID salah - Input password benar - Klik login
8.2.5.1.4 Output
8.2.5.1.4.1 Mycard


8.2.7.70 Increase limit tanpa menginput limit yang diinginkan (permanen)
8.2.7.70.1 Preparations - Sudah mendaftarkan kartu kredit BNI menjadi akun pada device dan melakukan login - Foto NPWP dan foto slip gaji
8.2.7.70.2 Exit Acceptance Criteria Increase limit gagal
8.2.7.70.3 Procedure - Masuk ke menu increase limit - Pilih nomor kartu - Tidak menginput limit yang diinginkan - Pilih jenis kenaikan limit permanen - Input foto NPWP - Input foto slip gaji - Klik persetujuan syarat & ketentuan - Klik submit
8.2.7.70.4 Output
8.2.7.70.4.1 Mycard


The Testing document has a lot of supporting information, such as Business Requirements, Document Authorization, Test Plan, Test Type, before then listing the attachments which are divided into Preparation, Exit Acceptance Criteria, Procedure, and then output.

Internship Task 2 – BNI TapCash Go Testing



TapCash Go is a BNI application used by Electronic Money card users to update their balance. Currently, the TapCash Go application can be used by iOS, Huawei, and Android users equipped with two languages, Indonesian and English.

The TapCash Go application still does not have a Dark Mode feature, so a series of tests were carried out to test the Dark Mode feature before launching to the wider user community.

Internship Task 2 – BNI TapCash Go Testing

Testing & Defect Tracker (Tapcash Go 41168 41167)

File Edit Tampilan Sisipkan Format Data Alat Bantuan

Menu

100%

123

Default...

14

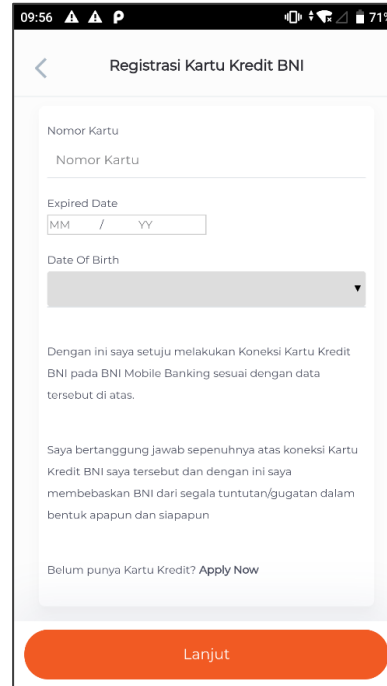
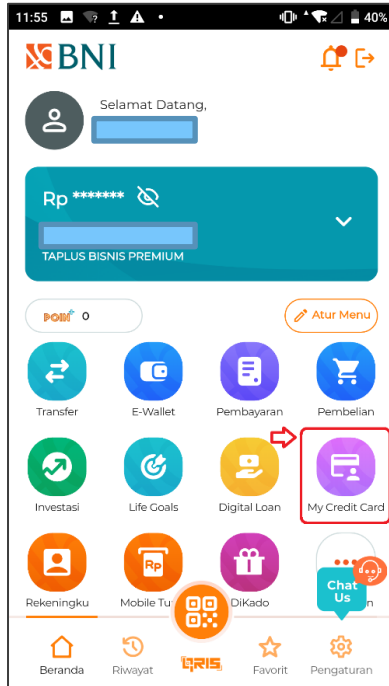
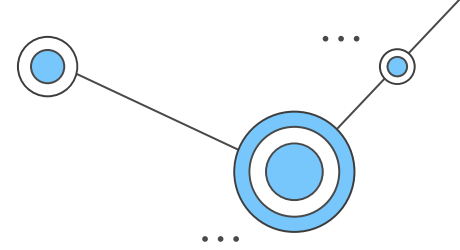
B

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A

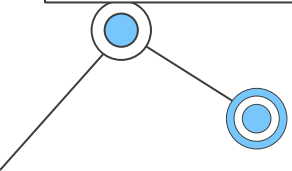
Test Case Scenario is done for all features, functions, and pages contained in TapCash Go starting from the Main Screen, Top Up Process, Inquiry, Balance Update, to Error Message. In addition to ensuring the features work as expected, typos and visual bugs are also recorded and reported to the development team.

Internship Task 3 – Response 403 of Service Inquiry



There is an increased response with code 403 on the monitoring dashboard for the MyCredit Card feature in BNI Mobile Banking, specifically on the "Inquiry by NIK" endpoint. Every time a user clicks on the My Credit Card feature, the system will check whether the user has a digital credit card that has not been activated.

This 403 code increase occurs when the user's NIK data is not found, so the My Credit Card menu display will be different. To prevent an increase in errors and excessive resource usage, it is necessary to test and adjust the Cardlink Service regarding this 403 code response.



Internship Task 3 – Response 403 of Service Inquiry

POST

http://[redacted]/inquiryByNik

Params

Authorization

Headers (9)

Body

Pre-request Script

Tests

Settings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

1

[{

2

"nik": "[redacted]"

3

"dob": "[redacted]"

4

}]

Database: mycardmbank Table: mycard_service_log Data Query*

mycardmbank.mycard_service_log: 61,045 rows total (approximately), limited to 1,000

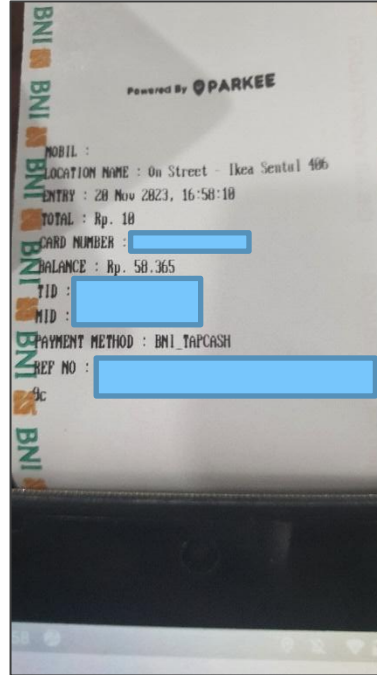
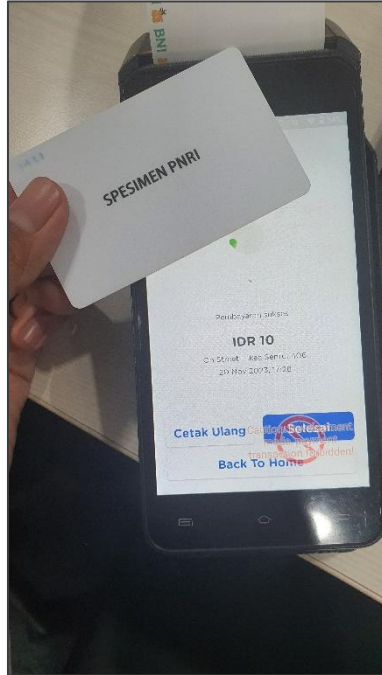
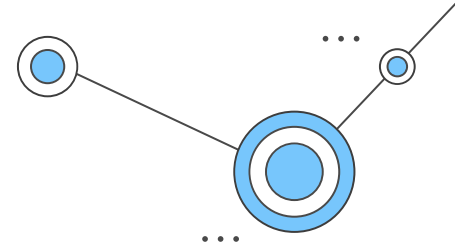
id	request_method	request_address	request	response	date
61,172	Inq By NIK	192.168.151.65	{nik=3271*****0003, dob=***...	{code=200, data=[{"hpNumber": "08211114590...	2023-10-10 16:56:30
61,171	Inq By NIK	192.168.151.65	{nik=3271*****0003, dob=***...	{"request":200,"result":{"SOAC002":{"BNSOA...	2023-10-10 16:56:30
61,170	Inq By NIK	192.168.151.65	{nik=3271*****0003, dob=***...	{"request":200,"result":{"SOAC002":{"BNSOA...	2023-10-10 16:56:30

```
"hpNumber": "08211114590...",
"blockCode": "08211114590...",
"org": "100",
"homePhone": "08211114590...",
"customerNumber": "08211114590...",
"type": "070",
"expiryDate": "2023-10-10 16:56:30",
"nik": "32710114590...",
"postingFlag": "0",
"dob": "1982-01-01",
"reffNumber": "08211114590...",
"creditLimit": "08211114590...",
"cardNumber": "08211114590..."
},
{
  "message": "Inquiry Sukses"
}
```

2023-10-02 13:28:27.543 [http-nio-46000-exec-3] INFO i.co.bni.cgt.lib.utilities.ApiLogger - requestId|b3546aa5-5210-4f66-a6ee-61404ab69a4d|remoteAddr|10.70.131.219|host|192.168.150.226:46000|date|2023-10-02 13:28:27.000|method|POST|url|/inquiryByNik|userAgent|PostmanRuntime/7.33.0|contentType|application/json|statusCode|200|responseTime|152 ms|

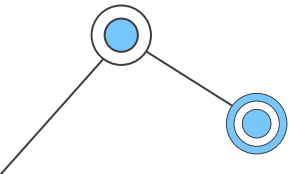
When making an inquiry, if the data is found then the response will show a response of 200 in the Postman application the JSON data will also appear, as well as in the HeidiSQL application.
If it doesn't exist then the result will show a response of 403.

Internship Task 4 – EDC Reader Parkee Testing

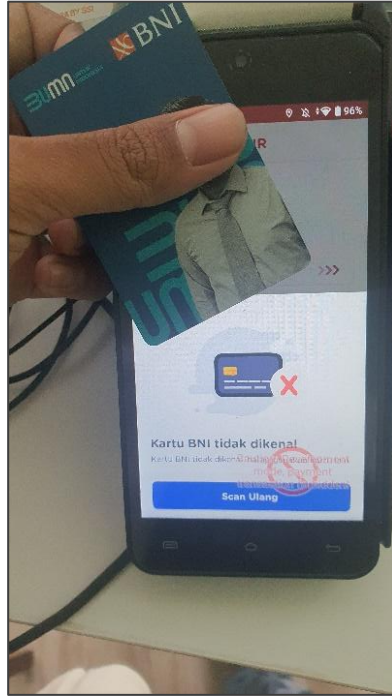
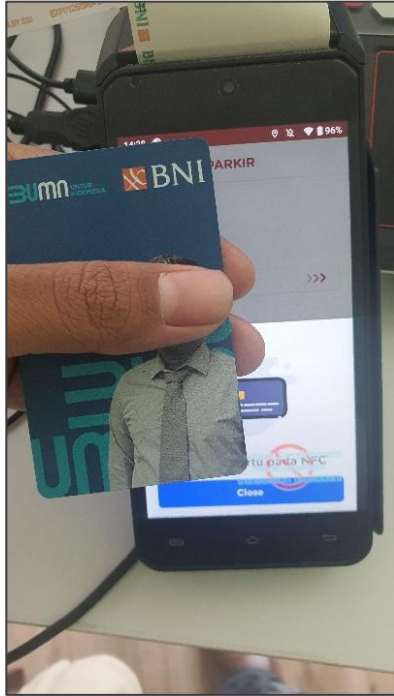


PT Inovasi Anak Indonesia (Parkee) is BNI's new partner working as an integrator for TapCash acceptance at several parking lots. This partner uses three types of readers for payment, which require special certifications and specifications in order to read TapCash cards, with the Ingenico EDC equipped with a touchscreen as one of the main devices.

A series of tests were conducted on these machines, ranging from normal transactions to transactions with special cards such as MSI and Soundrenaline, as well as abnormal transaction scenarios such as insufficient balance. Testing aims to ensure that the application inside the reader can function as expected, such as deducting the balance on a successful transaction or failing the transaction if the card expires.



Internship Task 4 – EDC Reader Parkee Testing



In addition to checking the test results from the application screen or proof of transaction, balance checking can be done using the Tapcash Go application.

For example, there is a transaction test using a different environment card. The different environment card in question is a TapCash card that is already in production and cannot be used for testing. If we use a production card to make transactions on this device, the transaction will fail and the balance will remain the same.

Internship Task 5 – RFID Card Reader MikaParking Testing

Pengaturan

MID :
TID :
Terminal random number :
Marriage code :
SAM slot :
Deduct amount :

Save

Kembali

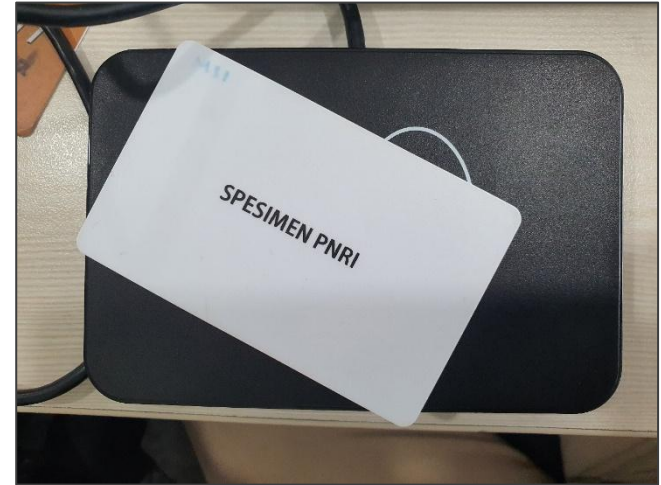
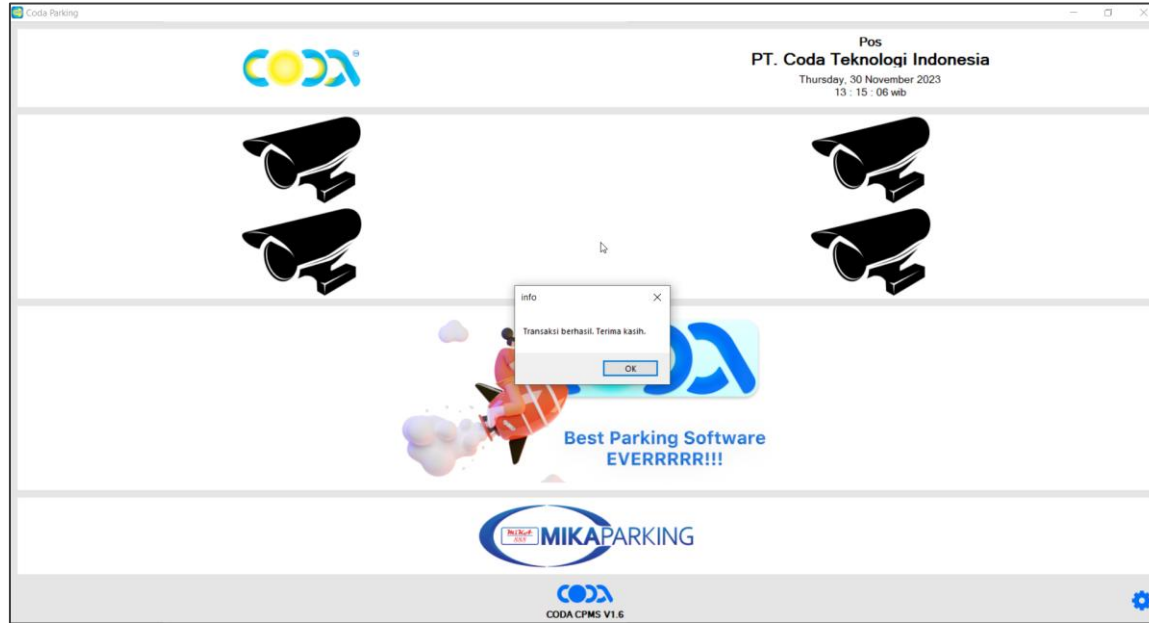
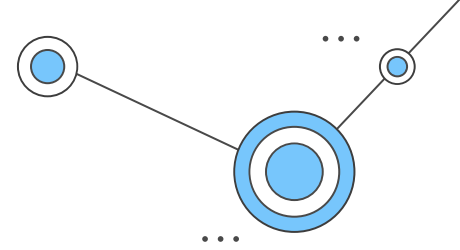
CODA CPMS V1.6

```
60 Log Time : 30-11-2023 13:14:38.261
61 Send debit command :
62 Command : 90-34-00-00-25-03-12-01-14-03-82-BA-BB-BA-4F-F9-BC-FE-88-
63 EA-E6-05-3F-AC-08-E3-F7-1A-BE-09-66-91-D3-D8-00-00-00-00-00-00-18
64 SW1 SW2 = 90 00
65 Response: E6-D1-CB-63-A5-35-2B-D9-4E-79-38-3F-D8-26-3F-DE-5F-29-5A-D5-
66 17-72-EA-79
67
68 Log Time : 30-11-2023 13:14:38.450
69 Verify debit receipt command :
70 Command : 80-11-0D-01-38-75-46-22-00-00-12-27-88-75-46-22-00-00-12-27-
71 96-92-9D-D6-4C-20-5C-4C-E8-E0-7E-17-68-6F-21-55-82-E6-D1-CB-63-A5-35-2B-D9-4E-79-38-3F-D8-26-3F-
72 DE-5F-29-5A-D5-17-72-EA-79
73 SW1 SW2 = 90 00
74 Response: 00-E3-E9-BA-BD-D2-E6-A7-B7-3B-74-00-00-18-00-00-11-00-00
75
76 Log Time : 30-11-2023 13:14:38.680
77 Create settlement file
78 Settlement file created
79
80 Log Time : 30-11-2023 13:14:38.693
81 {
82   "DeductAmount": 5,
83   "BalanceBefore": 58350,
84   "BalanceAfter": 58345,
85   "SettlementData":
86     "D01754622000012279601FFFFFB36629A3D120014010000E3EE00E3E9000018000011000008ABDD2E6A7B73B740
87     00000000600271035FE6CF71200140101FFFFFB365EBDE1000000000000000007E73AABC9B3B9FE1000017000
88     011000000351000000079256
89     ",
90   "StartTime": "2023-11-30T13:14:37.4263756+07:00",
91   "EndTime": "2023-11-30T13:14:38.6938902+07:00"85
92 }
```

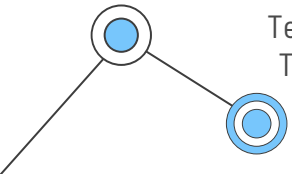
Another Transaction Device from PT Parkee that needs to be tested is the RFID Card Reader. Before starting the transaction, the built-in application on the device needs to be set-up first by inserting the SAM Card (Secure Access Module) and inputting the required activation code such as Marriage code. The device and application that has been setup with the SAM Card will automatically record every transaction log in a .txt file.

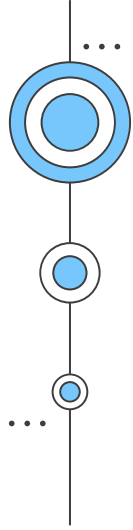
Internship Task 5 – RFID Card Reader MikaParking

Testing



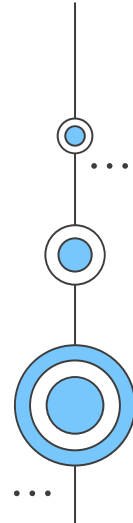
Testing carried out on this device and application for parking payment is in the form of a system integration test. To make a transaction, the TapCash card is simply placed on the card reader. The application will automatically display a notification if the transaction process fails or succeeds.



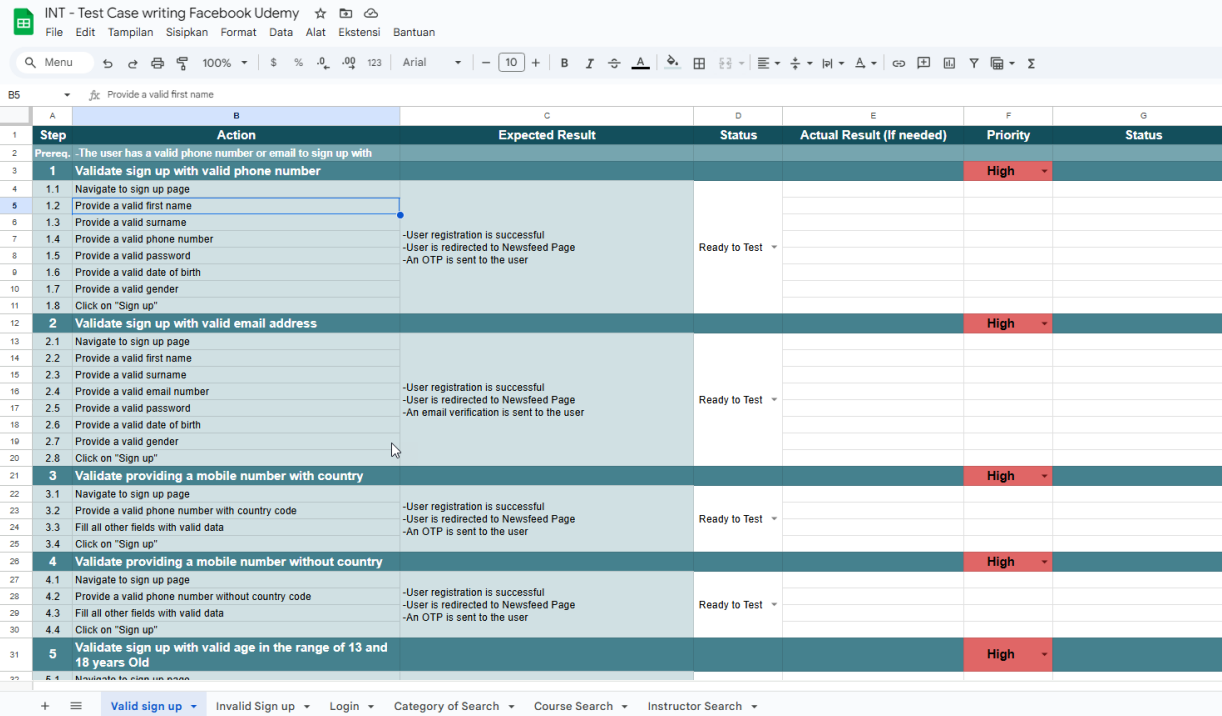


Personal Projects (2024)

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Testing of Facebook Sign Up Process and Udemy Search Functionality



INT - Test Case writing Facebook Udemu

File Edit Tampilan Sisipkan Format Data Alat Ekstensi Bantuan

Menu 100% 123 Arial

Step	Action	Expected Result	Status	Actual Result (If needed)	Priority	Status
Prereq: The user has a valid phone number or email to sign up with						
1 Validate sign up with valid phone number						
1.1	Navigate to sign up page				High	
1.2	Provide a valid first name					
1.3	Provide a valid surname					
1.4	Provide a valid phone number	-User registration is successful -User is redirected to Newsfeed Page -An OTP is sent to the user	Ready to Test			
1.5	Provide a valid password					
1.6	Provide a valid date of birth					
1.7	Provide a valid gender					
1.8	Click on "Sign up"					
2 Validate sign up with valid email address						
2.1	Navigate to sign up page				High	
2.2	Provide a valid first name					
2.3	Provide a valid surname					
2.4	Provide a valid email number	-User registration is successful -User is redirected to Newsfeed Page -An email verification is sent to the user	Ready to Test			
2.5	Provide a valid password					
2.6	Provide a valid date of birth					
2.7	Provide a valid gender					
2.8	Click on "Sign up"					
3 Validate providing a mobile number with country						
3.1	Navigate to sign up page				High	
3.2	Provide a valid phone number with country code	-User registration is successful -User is redirected to Newsfeed Page -An OTP is sent to the user	Ready to Test			
3.3	Fill all other fields with valid data					
3.4	Click on "Sign up"					
4 Validate providing a mobile number without country						
4.1	Navigate to sign up page				High	
4.2	Provide a valid phone number without country code	-User registration is successful -User is redirected to Newsfeed Page -An OTP is sent to the user	Ready to Test			
4.3	Fill all other fields with valid data					
4.4	Click on "Sign up"					
5 Validate sign up with valid age in the range of 13 and 18 years Old						
5.1	Navigate to sign up page				High	

+ Valid sign up Invalid Sign up Login Category of Search Course Search Instructor Search

Made in November 2024

Project link:

Test Scenario:

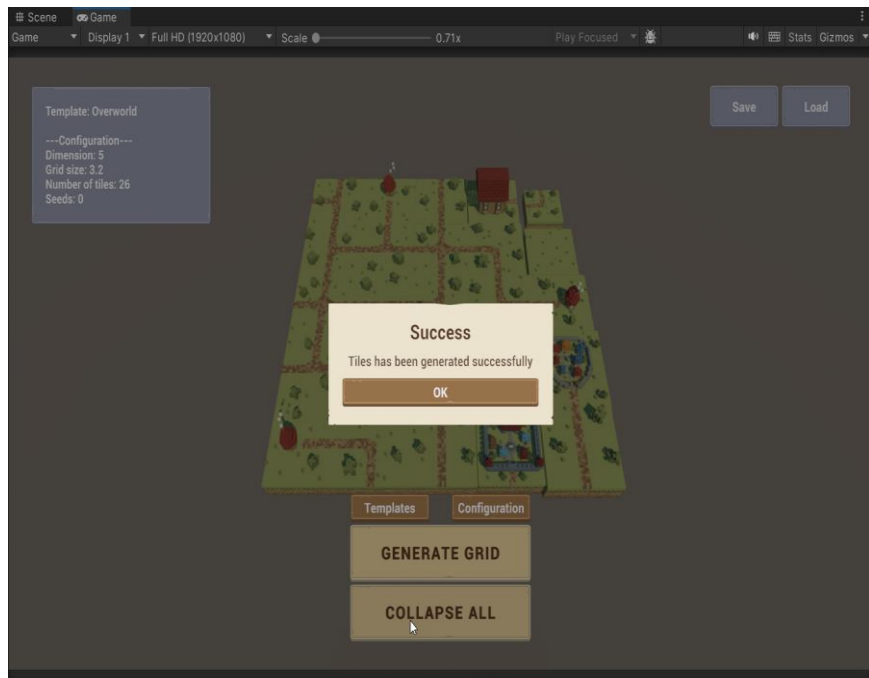
<https://trello.com/b/P5nFkp2T/first-test-scenarios>

Test Case

<https://docs.google.com/spreadsheets/d/1X8yFIWQJECB6DIgk8-5lbjldVp9MoluE70-ucFGNow/edit?gid=1541254425#gid=1541254425>

Examined the user flow of Facebook's Sign-Up menu and documented possible test scenarios in Trello, covering both valid and invalid processes for every field. Then, I developed detailed test cases using Google Spreadsheet, ensuring coverage from test steps to actual results. For Udemy, I tested search functionality, including handling misspellings and synonyms in the search field, applying the pairwise concept for the category, course, and instructor search for efficiency.

WFC Terrain Generator



Made in January 2024 to July 2024

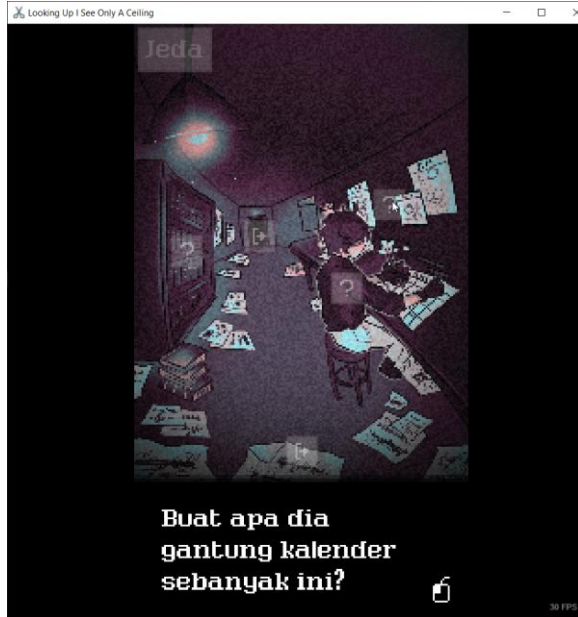
Demo Video: <https://youtu.be/mkepFt3DPCl>

WFC Terrain Generator is a procedural generation tool made in Unity implementing Wave Function Collapse algorithm.

Features:

- Easy Setup for Asset Inputs with automatic tile rule configuration
- Adjusts tile appearance probabilities by setting weights
- Defines key level elements, with WFC filling the rest.
- Allows saving and reloading generated tiles easily.

Looking Up I See Only A Ceiling



Looking Up I See Only A Ceiling is a short point-and-click game about a fatigued medical school student encountering bizarre events in her little house. I am responsible to localize the game in Indonesian language, in hopes it would attract more Indonesian gamers to play the game on Steam and enjoy the immersive experience.

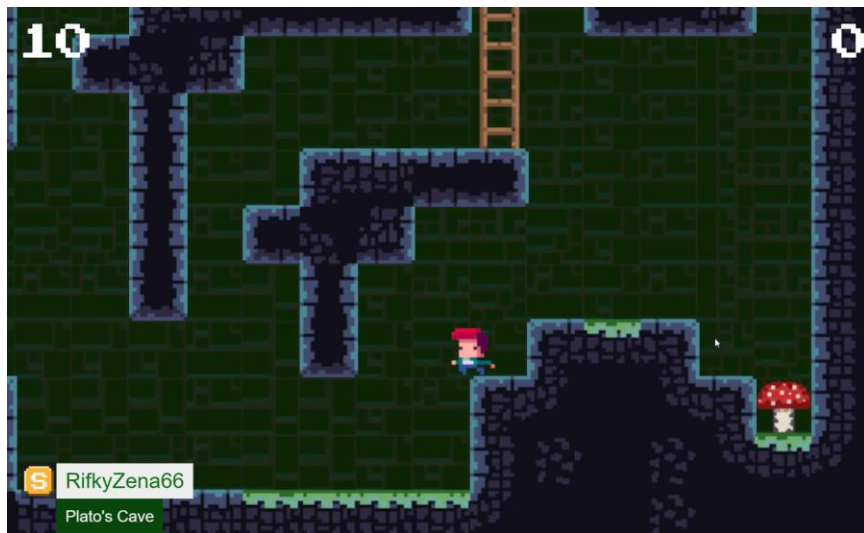
My responsibilities include the translation of 900+ lines of English texts and making sure they all fit perfectly in the dialogue box. In November 2024, DLC (Downloadable Content) for LUISOAC titled "The Relapse" was released, adding a new story to the game. I returned to work in September 2025 to translate over 900 additional lines of text.

Made in February 2024

https://store.steampowered.com/app/1742930/Looking_Up_I_See_Only_A_Ceiling/

<https://docs.google.com/spreadsheets/d/1L5l8sLwWGOAx9gARmIK7w5rSTBJQVmq83HqY0hg8g/edit?usp=sharing>

Plato's Cave



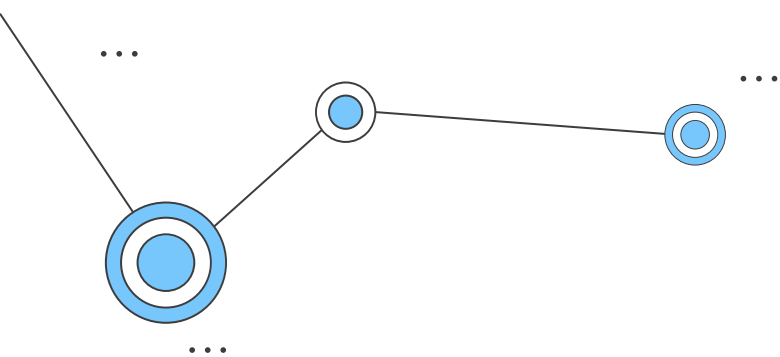
Plato's Cave is a 2D platformer game made in Unity. It is a game about escaping three cave levels while collecting all coins and avoiding traps and slime enemies.

Features:

- Fast paced character movements
- Intuitive camera system
- Wide levels with various challenges
- Retro pixel art style and sound effects

Made in September 2023

See Details: <https://github.com/rifkyzena/Cave-of-Plato>



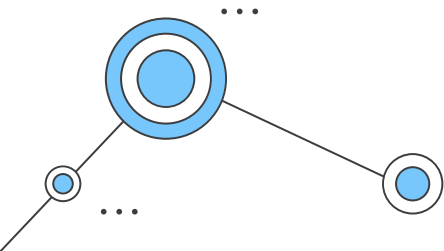
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Let's keep in touch!

