

User manual and Testing plan

Game Shelf

Board Game Renting Platform

Presented to

Asst.Prof.Dr. Pittipol Kantavat

by

Pavee Jeungtanasirikul 6530249621

Panupong Nantasung 6530310121

Warintorn Surapolchai 6530360521

Winithra manolertthwan 6530375021

Aunyapat Nitijarasrat 6530428621

Bhanarin Hanthomrongwit 6531334421

Warissara Booranamaitree 6532152721

2110336 Software Engineering II

2nd Semester, 2024

Department of Computer Engineering Faculty of Engineering,

Chulalongkorn University

Table of Content

| | |
|----------------------------------------------------------|----|
| Testing plan | 2 |
| Function: Register | 2 |
| Input Equivalence Classes | 2 |
| Test Cases | 2 |
| Function: Player Login | 4 |
| Input Equivalence Classes | 4 |
| Test Cases | 4 |
| Function: Search board game | 6 |
| Input Equivalence Classes | 6 |
| Test Cases | 6 |
| Function: Player send rental request | 9 |
| Input Equivalence Classes | 9 |
| Test Cases | 10 |
| Test Coverage Matrix | 13 |
| User Manual | 14 |
| Function : Search board game / provider | 14 |
| Function : Register / Login | 16 |
| Function : Profile Settings | 18 |
| Function : Send rental request | 19 |
| Function : Pay the rental | 21 |
| Function : Check rental status | 22 |
| Function : Add picture when Receive / Return board games | 23 |
| Function : Review board games | 24 |
| Function : Report | 25 |
| Function : Notification | 26 |
| Function : Provider verification | 27 |
| Function : Add board game | 29 |
| Function : Manage rental request | 31 |
| Function : Manage shipping | 32 |
| Function : Provider dashboard | 34 |
| Function : Check Review | 35 |
| Function : Income history | 36 |
| Function : Manage provider | 37 |
| Function : Manage report | 38 |
| Function : Report statistic / Unban | 40 |
| Function : Report history | 41 |
| Limitations of the implementation | 41 |

Testing plan

Function: Register

Input Equivalence Classes

| Equivalent Class ID | Input | Validation |
|---------------------|--------------------------------------------|------------|
| 1 | Email exists in the system | Invalid |
| 2 | Email does not exist in the system | Valid |
| 3 | Role is not selected | Invalid |
| 4 | Role is selected as “Player” or “Provider” | Valid |
| 5 | Password is an empty string | Invalid |
| 6 | Password is correct format | Valid |

Test Cases

Assume that

- Email “player888@gmail.com” exists in the system as “Player”
- Email “newplayer01@gmail.com” does not exist in the system

| | | |
|-----------------------------|----------|-----------------------|
| Test Case ID | TC1-1 | |
| Inputs | Email | “player888@gmail.com” |
| | Password | “12345678” |
| | Username | “testPlayer” |
| | Role | “Player” |
| Expected Outputs | Invalid | |
| Actual Outputs | Invalid | |
| Equivalence Classes Covered | 1, 4, 6 | |

| | | |
|-----------------------------|----------|-------------------------|
| Test Case ID | TC1-2 | |
| Inputs | Email | “newplayer01@gmail.com” |
| | Password | “12345678” |
| | Username | “testPlayer” |
| | Role | “Player” |
| Expected Outputs | Valid | |
| Actual Outputs | Valid | |
| Equivalence Classes Covered | 2, 4, 6 | |

| | | |
|-----------------------------|----------|-------------------------|
| Test Case ID | TC1-3 | |
| Inputs | Email | “newplayer01@gmail.com” |
| | Password | <Empty String> |
| | Username | “testPlayer” |
| | Role | “Player” |
| Expected Outputs | Invalid | |
| Actual Outputs | Invalid | |
| Equivalence Classes Covered | 2, 4, 5 | |

| | | |
|-----------------------------|----------|-------------------------|
| Test Case ID | TC1-4 | |
| Inputs | Email | “newplayer01@gmail.com” |
| | Password | “12345678” |
| | Username | “testPlayer” |
| | Role | <Empty String> |
| Expected Outputs | Invalid | |
| Actual Outputs | Invalid | |
| Equivalence Classes Covered | 2, 3, 6 | |

| | | |
|-----------------------------|----------|-----------------------|
| Test Case ID | TC1-5 | |
| Inputs | Email | “player888@gmail.com” |
| | Password | <Empty String> |
| | Username | “testPlayer” |
| | Role | “Player” |
| Expected Outputs | Invalid | |
| Actual Outputs | Invalid | |
| Equivalence Classes Covered | 1, 4, 5 | |

Function: Player Login

Input Equivalence Classes

| Equivalent Class ID | Input | Validation |
|---------------------|--------------------------------------------------|------------|
| 1 | Email is an empty string | Invalid |
| 2 | Email does not exist in the system as a “Player” | Invalid |
| 3 | Email exists in the system as a “Player” | Valid |
| 4 | Password is an empty string | Invalid |
| 5 | Password is incorrect | Invalid |
| 6 | Password is correct | Valid |

Test Cases

Assume that

- Email “player888@gmail.com” exists in the system as “Player”
- Email “player888@gmail.com” has password “12345678”
- Email “player123@gmail.com” does not exist in the system as a “Player”

| | | |
|-----------------------------|----------|-----------------------|
| Test Case ID | TC2-1 | |
| Inputs | Email | “player888@gmail.com” |
| | Password | “12345678” |
| Expected Outputs | Valid | |
| Actual Outputs | Valid | |
| Equivalence Classes Covered | 3, 6 | |

| | | |
|-----------------------------|----------|-----------------------|
| Test Case ID | TC2-2 | |
| Inputs | Email | “player123@gmail.com” |
| | Password | “12345678” |
| Expected Outputs | Invalid | |
| Actual Outputs | Invalid | |
| Equivalence Classes Covered | 2, 6 | |

| | | |
|-----------------------------|----------|----------------|
| Test Case ID | TC2-3 | |
| Inputs | Email | <Empty String> |
| | Password | “12345678” |
| Expected Outputs | Invalid | |
| Actual Outputs | Invalid | |
| Equivalence Classes Covered | 1, 6 | |

| | | |
|-----------------------------|----------|---------------------|
| Test Case ID | TC2-4 | |
| Inputs | Email | player888@gmail.com |
| | Password | “wrong1234” |
| Expected Outputs | Invalid | |
| Actual Outputs | Invalid | |
| Equivalence Classes Covered | 3, 5 | |

| | | |
|-----------------------------|----------|---------------------|
| Test Case ID | TC2-5 | |
| Inputs | Email | player888@gmail.com |
| | Password | <Empty String> |
| Expected Outputs | Invalid | |
| Actual Outputs | Invalid | |
| Equivalence Classes Covered | 3, 4 | |

Function: Search board game

Input Equivalence Classes

| Equivalent Class ID | Input | Validation |
|---------------------|------------------------------------------------------|------------|
| 1 | String in search bar is an empty string | Valid |
| 2 | String in search bar is a not empty string | Valid |
| 3 | No type is selected | Valid |
| 4 | Some type is selected | Valid |
| 5 | All Type is selected | Valid |
| 6 | Minimum price is less than 0 | Invalid |
| 7 | Minimum price is more than maximum price | Invalid |
| 8 | Minimum price is less than or equal to maximum price | Valid |

Test Cases

Assume that

- BoardGame “Werewolf” exists in the system and typed as “Area control” with a price “123”
- BoardGame “Sakura Cardcapter” does not exists in the system

| | |
|--------------|-------|
| Test Case ID | TC3-1 |
|--------------|-------|

| | | |
|-----------------------------|-------------------------|----------------|
| Inputs | Search Bar | “” |
| | Type | <Not Selected> |
| | Min Price | 0 |
| | Max Price | 1000 |
| Expected Outputs | Valid <>Show all games> | |
| Actual Outputs | Valid | |
| Equivalence Classes Covered | 1, 3, 8 | |

| | | |
|-----------------------------|-------------------|---------------------|
| Test Case ID | TC3-2 | |
| Inputs | Search Bar | “Sakura Cardcaptor” |
| | Type | <Not Selected> |
| | Min Price | 0 |
| | Max Price | 1000 |
| Expected Outputs | Valid <Not found> | |
| Actual Outputs | Valid | |
| Equivalence Classes Covered | 2, 3, 8 | |

| | | |
|-----------------------------|------------|----------------|
| Test Case ID | TC3-3 | |
| Inputs | Search Bar | “Werewolf” |
| | Type | <Not Selected> |
| | Min Price | 0 |
| | Max Price | 1000 |
| Expected Outputs | Valid | |
| Actual Outputs | Valid | |
| Equivalence Classes Covered | 2, 3, 8 | |

| | |
|--------------|-------|
| Test Case ID | TC3-4 |
|--------------|-------|

| | | |
|-----------------------------|------------|----------------|
| Inputs | Search Bar | “Werewolf” |
| | Type | “Legacy Games” |
| | Min Price | 0 |
| | Max Price | 1000 |
| Expected Outputs | Valid | |
| Actual Outputs | Valid | |
| Equivalence Classes Covered | 2, 4, 8 | |

| | | |
|-----------------------------|------------|--------------------------------------------------------------------------------------------------------------------------|
| Test Case ID | TC3-5 | |
| Inputs | Search Bar | “Werewolf” |
| | Type | “Area control”, “Cooperative board game”, “Dexterity”, “Legacy Games”, “Strategy”, “Party”, “Thematic” |
| | Min Price | 0 |
| | Max Price | 1000 |
| Expected Outputs | Valid | |
| Actual Outputs | Valid | |
| Equivalence Classes Covered | 2, 4, 8 | |

| | |
|--------------|-------|
| Test Case ID | TC3-6 |
|--------------|-------|

| | | |
|-----------------------------|--------------------------------------------|----------------|
| Inputs | Search Bar | “Werewolf” |
| | Type | “Legacy Games” |
| | Min Price | -10 |
| | Max Price | 1010 |
| Expected Outputs | Invalid <should automatically change to 0> | |
| Actual Outputs | Valid | |
| Equivalence Classes Covered | 2, 4, 6, 8 | |

| | | |
|-----------------------------|------------|----------------|
| Test Case ID | TC3-7 | |
| Inputs | Search Bar | “Werewolf” |
| | Type | “Legacy Games” |
| | Min Price | 500 |
| | Max Price | 400 |
| Expected Outputs | Invalid | |
| Actual Outputs | Invalid | |
| Equivalence Classes Covered | 2, 4, 7 | |

| | | |
|-----------------------------|------------|----------------|
| Test Case ID | TC3-8 | |
| Inputs | Search Bar | “Werewolf” |
| | Type | “Legacy Games” |
| | Min Price | 123 |
| | Max Price | 123 |
| Expected Outputs | Valid | |
| Actual Outputs | Valid | |
| Equivalence Classes Covered | 2, 4, 8 | |

Function: Player send rental request

Input Equivalence Classes

| Equivalent Class ID | Input | Validation |
|---------------------|----------------------------|------------|
| 1 | Start date is empty | Invalid |
| 2 | Start date is incorrect | Invalid |
| 3 | Start date is correct | Valid |
| 4 | End date is empty | Invalid |
| 5 | End date is incorrect | Invalid |
| 6 | End date is correct | Valid |
| 7 | Board Game is out of stock | Invalid |
| 8 | Board Game is in stock | Valid |

Test Cases

Assume that

- User “player888” exists in the system as a “Player” and is not banned.
- BoardGame “Werewolf” exists in the system as a “BoardGame” and has a board game in stock.

| | | |
|-----------------------------|------------|-------------|
| Test Case ID | TC4-1 | |
| Inputs | User | “player888” |
| | BoardGame | “Werewolf” |
| | Start Date | 23/04/2025 |
| | End Date | 26/04/2025 |
| Expected Outputs | Valid | |
| Actual Outputs | Valid | |
| Equivalence Classes Covered | 3, 6, 8 | |

| | |
|--------------|-------|
| Test Case ID | TC4-2 |
|--------------|-------|

| | | |
|-----------------------------|------------|-------------|
| Inputs | User | “player888” |
| | BoardGame | “Werewolf” |
| | Start Date | <empty> |
| | End Date | 24/04/2025 |
| Expected Outputs | Invalid | |
| Actual Outputs | Invalid | |
| Equivalence Classes Covered | 1, 6, 8 | |

| | | |
|-----------------------------|------------|-------------|
| Test Case ID | TC4-3 | |
| Inputs | User | “player888” |
| | BoardGame | “Werewolf” |
| | Start Date | 21/04/2025 |
| | End Date | 24/04/2025 |
| Expected Outputs | Invalid | |
| Actual Outputs | Invalid | |
| Equivalence Classes Covered | 2, 6, 8 | |

| | | |
|-----------------------------|------------|-------------|
| Test Case ID | TC4-4 | |
| Inputs | User | “player888” |
| | BoardGame | “Werewolf” |
| | Start Date | 22/04/2025 |
| | End Date | <empty> |
| Expected Outputs | Invalid | |
| Actual Outputs | Invalid | |
| Equivalence Classes Covered | 3, 4, 8 | |

| | | |
|-----------------------------|------------|-------------|
| Test Case ID | TC4-5 | |
| Inputs | User | “player888” |
| | BoardGame | “Werewolf” |
| | Start Date | 23/04/2025 |
| | End Date | 22/04/2025 |
| Expected Outputs | Invalid | |
| Actual Outputs | Invalid | |
| Equivalence Classes Covered | 3, 5, 8 | |

| | | |
|-----------------------------|------------|-----------------|
| Test Case ID | TC4-6 | |
| Inputs | User | “player888” |
| | BoardGame | “Werewolf Plus” |
| | Start Date | 22/04/2025 |
| | End Date | 22/04/2025 |
| Expected Outputs | Invalid | |
| Actual Outputs | Invalid | |
| Equivalence Classes Covered | 3, 6, 7 | |

Test Coverage Matrix

| Function ID | Function Name | Test Case ID | Status |
|-------------|----------------------------|-----------------------------------------------------------------------------|-----------------------------------|
| 1 | Register | TC1-1, TC1-2, TC1-3, TC1-4, TC1-5 | P, P, P, P, P |
| 2 | Player Login | TC2-1, TC2-2, TC2-3, TC2-4, TC2-5 | P,P,P P,P |
| 3 | Search board game | TC3-1, TC3-2, TC3-3, TC3-4, TC3-5, TC3-6 , TC3-7, TC3-8, TC3-9 | P, P, P P, P, F P, P |
| 4 | Player Send rental request | TC4-1, TC4-2, TC4-3, TC4-4, TC4-5, TC4-6 | p, p, p, p, p, p |

User Manual

Function : Search board game / provider

Role : Player , Provider , Admin

Instruction

1. Users can click boardgames/providers on the navbar to use all features about search such as filters.

The screenshots illustrate the GameShelf application's user interface for searching board games and providers.

Top Screenshot (Homepage):

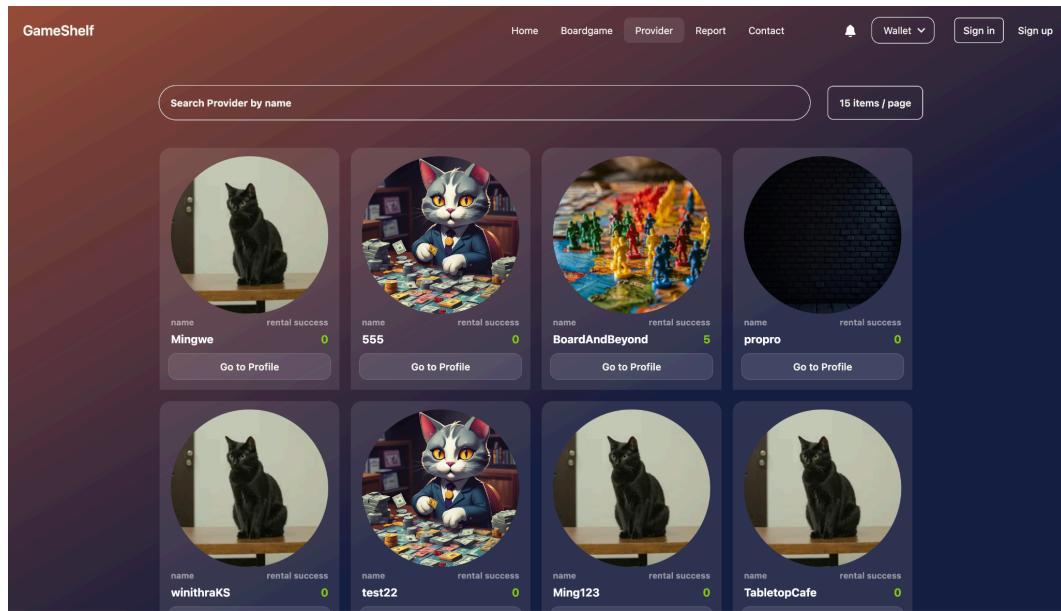
- Left Sidebar:** Shows an "Updated" section with links to homepage, profile management, and schedule management.
- Top Bar:** Includes Home, Boardgame, Provider, Report, Contact, a notification bell icon (2 notifications), Wallet, Sign in, and Sign up buttons.
- Main Content:** Features a search bar ("Search Board game by name") and a grid of board game cards. Each card displays the game title, price (e.g., Catan at 50 baht/day), genre (Area control, Cooperative board game, Dexterity), and a "Details" button.

| Rank | Name | Successful rental |
|------|----------------|-------------------|
| 1 | MingPV2 | 10 |
| 2 | BoardAndBeyond | 5 |
| 3 | Ming123 | 0 |
| 4 | test22 | 0 |
| 5 | test123 | 0 |
| 6 | TabletopCafe | 0 |

Bottom Screenshot (Filtered Search Results):

- Top Bar:** Includes Home, Boardgame, Provider, Report, Contact, a notification bell icon, Wallet, Sign in, and Sign up buttons.
- Search Bar:** "Search Board game by name" with a "Clear" button.
- Filter Options:** "Filter by type" dropdown, price range selector (0 - 1000), and items per page selector (15 items / page).
- Main Content:** A grid of board game cards, similar to the homepage, showing titles like Catan, Pandemic, Werewolf, Brass: Birmingham, and others.

2. At providers search user can go to provider's profile to see the details about that provider



3. Users can rent the board game by picking one of the board games on the provider's profile.

This screenshot shows the detailed provider profile for "MingPV2". The top section displays basic user information: ID (453f1dae-8797-41ae-bf56-8dcbab006915e), Username (MingPV2), E-mail (jeung.pavee@gmail.com), and Phone Number (062-198-8115). Below this are sections for "Boardgames" and "Reviews".

Boardgames:

| Name | Rental Price | Status |
|--------------------------------------|--------------|------------|
| Brass: Birmingham2 | 40 | bait / day |
| Dungeons & Dragons: Essentials Kit | 100 | bait / day |
| test | 4 | bait / day |
| Dune (2019) | 200 | bait / day |
| Werewolf Plus | 20 | bait / day |
| Salem | 100 | bait / day |
| Warhammer Age of Sigmar: Starter Set | 500 | bait / day |
| MingGameZ | 5000 | bait / day |
| testswal | 23 | bait / day |
| testswal | 34 | bait / day |

Reviews:

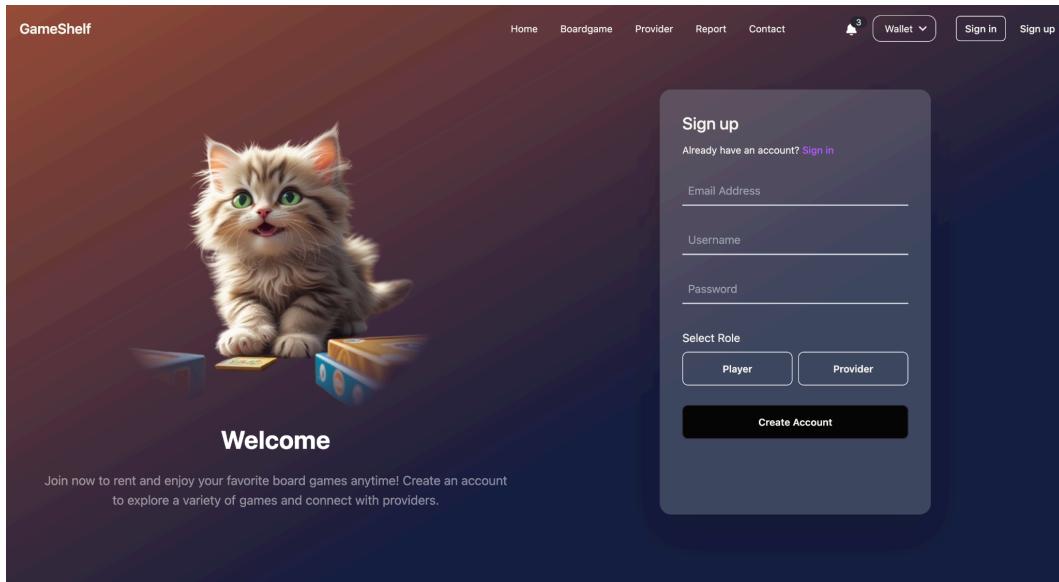
| User | Game | Rating | Comment |
|------------|------------------------------------|--------|----------------------------------------------------------------------------------------|
| testplayer | Dungeons & Dragons: Essentials Kit | ★★★★★ | This game is so much fun and provider is very kind. Thank you to let me rent this game |
| testplayer | Dune (2019) | ★★★★★ | This game is so much fun and provider is very kind. Thank you to let me rent this game |
| testplayer | Dungeons & Dragons: Essentials Kit | ★★★★★ | This game is so much fun and provider is very kind. Thank you to let me rent this game |

Function : Register / Login

Role : Player , Provider , Admin

Instruction

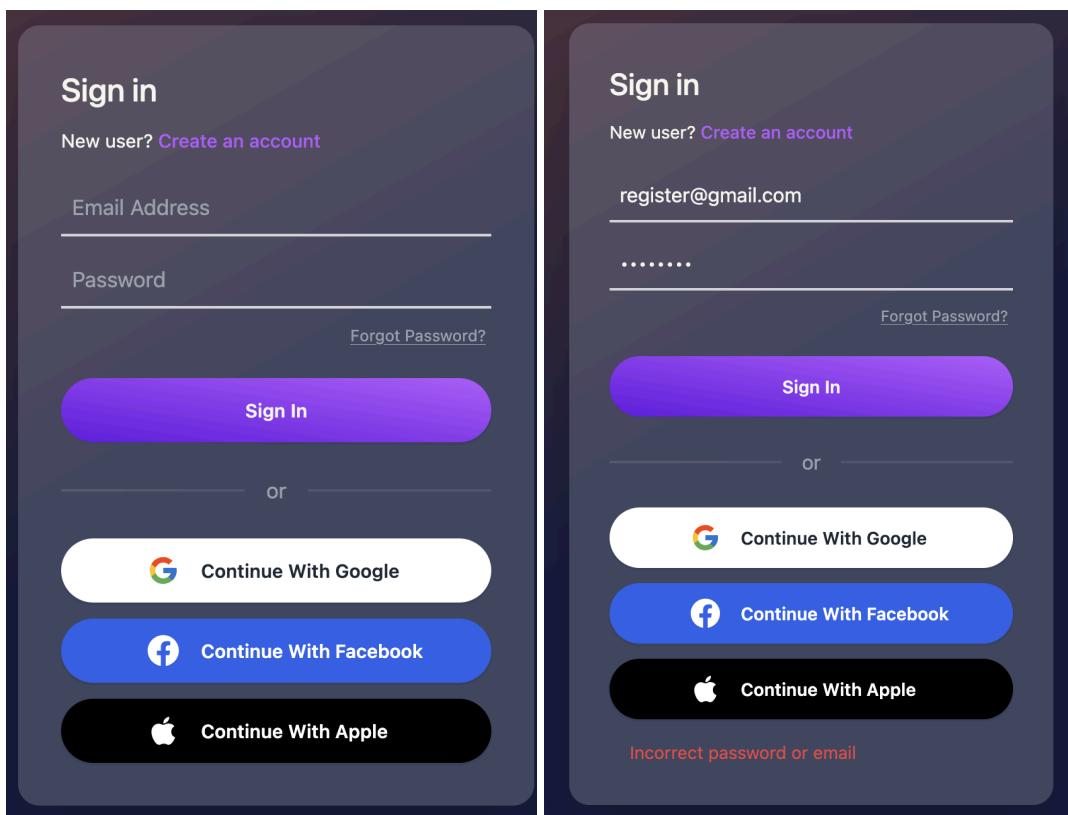
- Users can click Sign-in/Sign-up on the navbar to go to the Sign-up/Sign-in page.



- User fill the form and then select the role (Provider / Player)

The image displays two side-by-side screenshots of the sign-up form. Both screenshots show the same fields: Email (register@gmail.com), Username (register1), and Password (redacted). In the left screenshot, the 'Provider' button is highlighted in purple, indicating it is selected. In the right screenshot, the 'Player' button is highlighted in purple, indicating it is selected. Both screenshots also show a 'Create Account' button at the bottom.

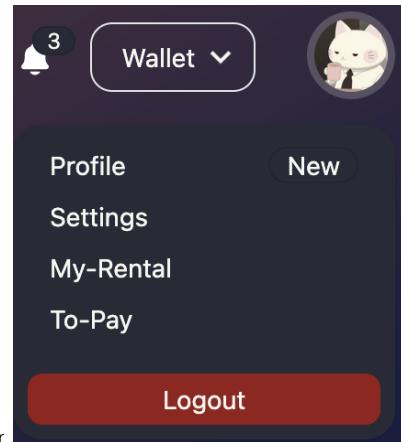
- After the Sign-up user can sign-in at the sign-in page and when the password or email is not correct, the user will see the error message at the bottom.



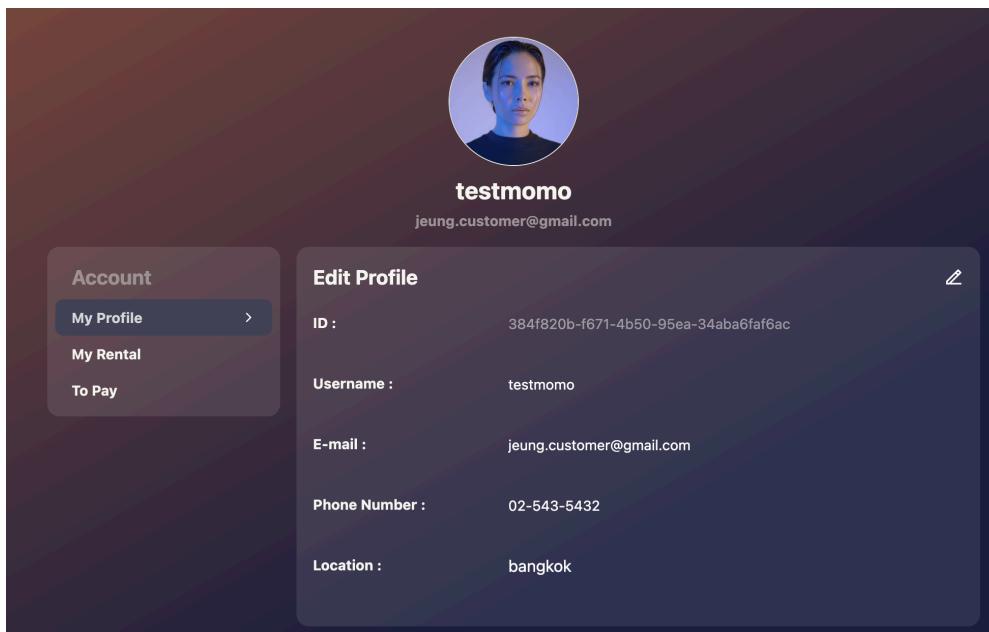
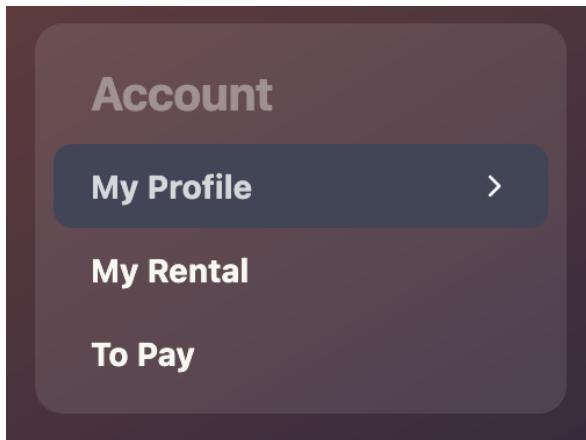
Function : Profile Settings

Role : Player , Provider , Admin

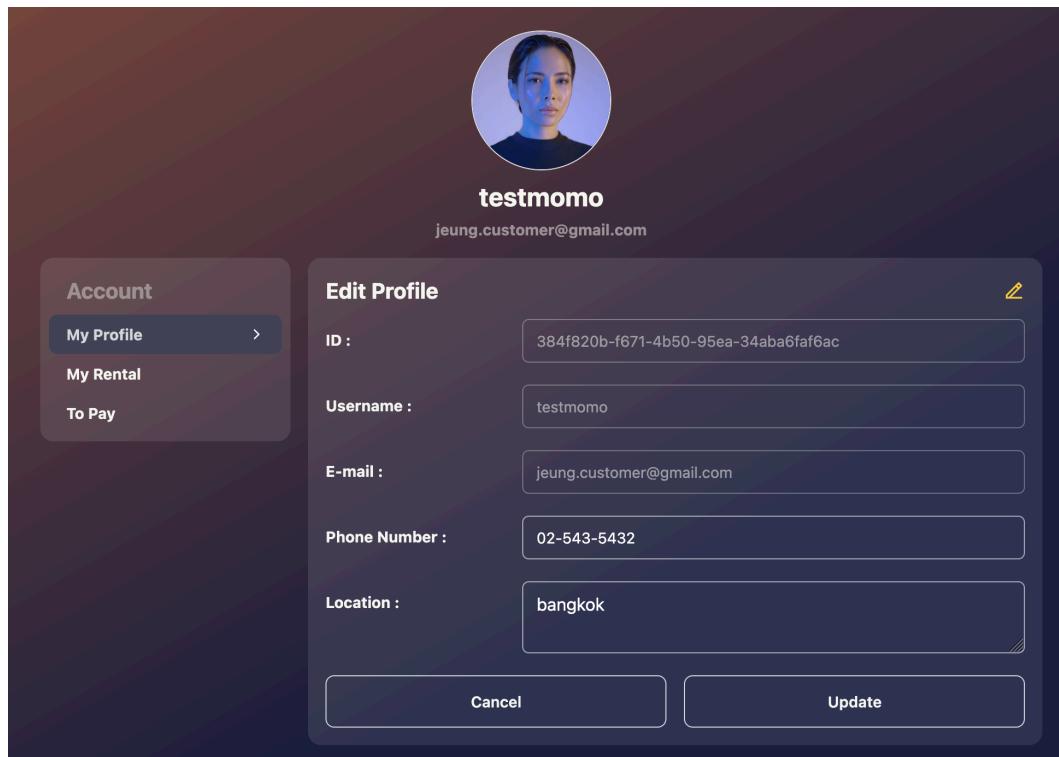
Instruction



1. Users can go to profile settings at user profile in the navbar.



2. Users can edit their profile by clicking on the pencil icon on the top of the details.

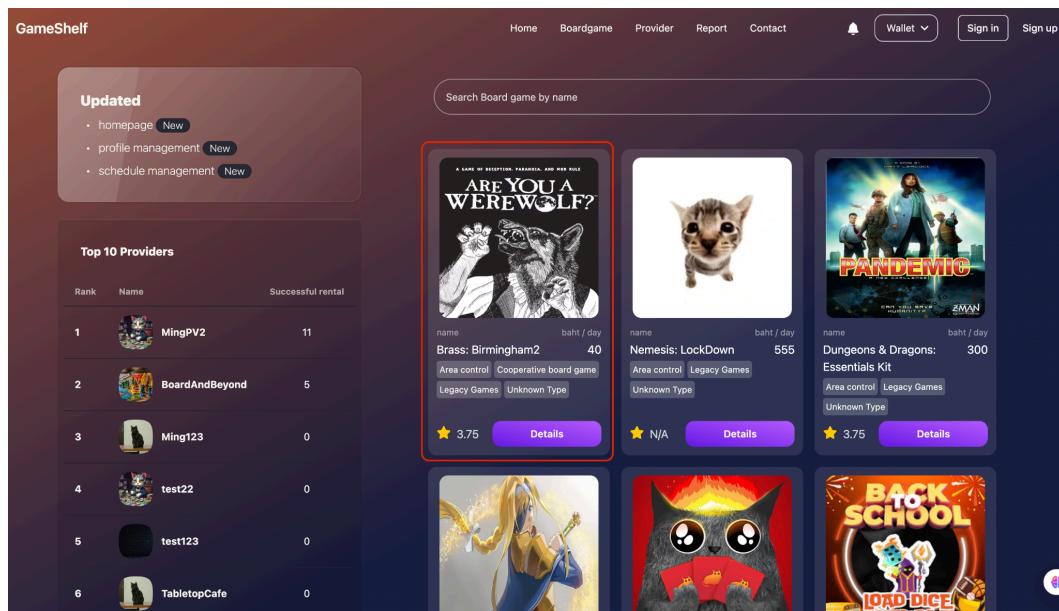


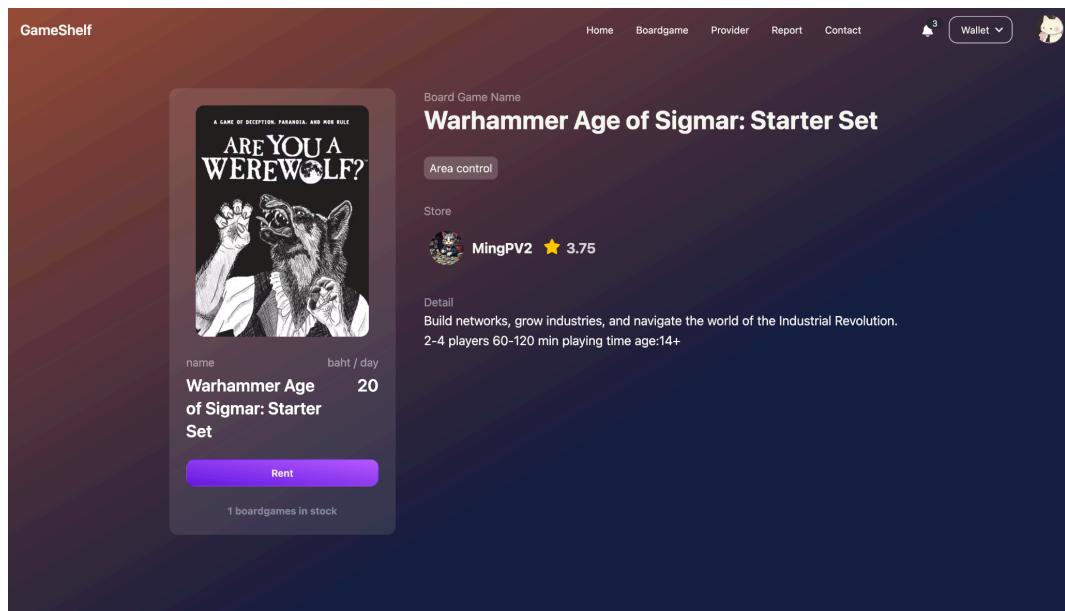
Function : Send rental request

Role : Player

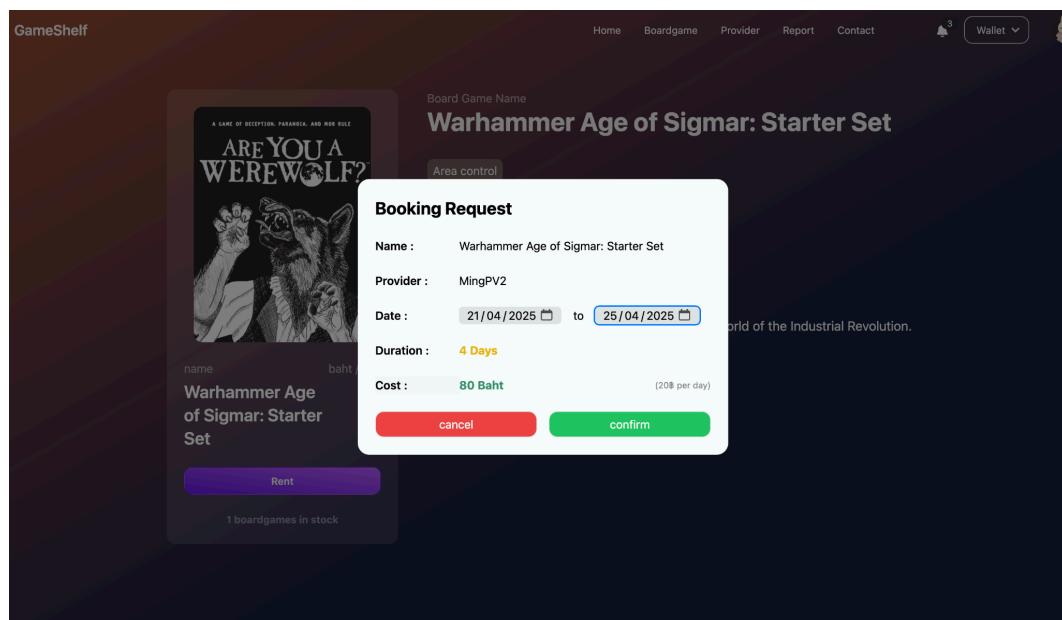
Instruction

1. Users can see the details of the board game by clicking on the detail button.





2. Users can send the request by selecting the start date and end date of the rental.



Function : Pay the rental

Role : Player

Instruction

- Users can see the list of to-pay rental requests at the To-Pay page.

Dune (2019)

provider: MingPV2
date: 31/03/20 - 03/04/20
price: 200 ฿ / day
status:

Warhammer Age Of Sigmar: Starter Set

provider: MingPV2
date: 21/04/20 - 25/04/20
price: 20 ฿ / day
status:

- When clicking on the Pay Now button user will be redirected to payment page

ช่องเงินทั่วไปบัตร

ชื่อ
test@gmail.com

ที่อยู่บ้าน
4242 4242 4242 4242
11 / 29 555

ชื่อเจ้าของบัตร
Dragon Banana

ประเภทเครื่องมือ
ไทย

นับติกขิบัญช่องนี้อย่างปลอดภัยเพื่อการชำระเงินในคลิกเดียว
ชำระเงินหนึ่งครั้งและรักษาทุกพื้นที่ของร้าน Link ได้เร็วขึ้น

ชำระเงิน

Function : Check rental status

Role : Player

Instruction

1. Users can check the status of the rental at My-Rental page. This page will show the status such as complete, cancelled, renting , pending , unpaid.

The screenshot shows the 'My Rental Page' on the GameShelf website. The page displays three rental entries:

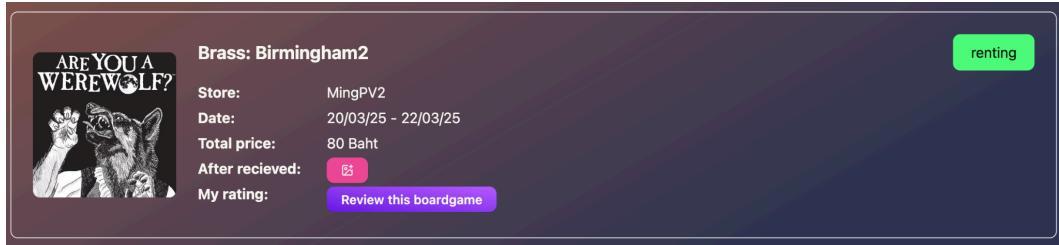
- Dune (2019)**
Store: MingPV2
Date: 11/03/25 – 20/03/25
Total price: 1800 Baht
Status: canceled
- Dungeons & Dragons: Essentials Kit**
Store: MingPV2
Date: 11/03/25 – 15/03/25
Total price: 1200 Baht
My rating: ★★★★★
Status: complete
- Dungeons & Dragons: Essentials Kit**
Store: MingPV2
Date: 13/03/25 – 21/03/25
Total price: 2400 Baht
My rating: Review this boardgame
Status: complete

Function : Add picture when Receive / Return board games

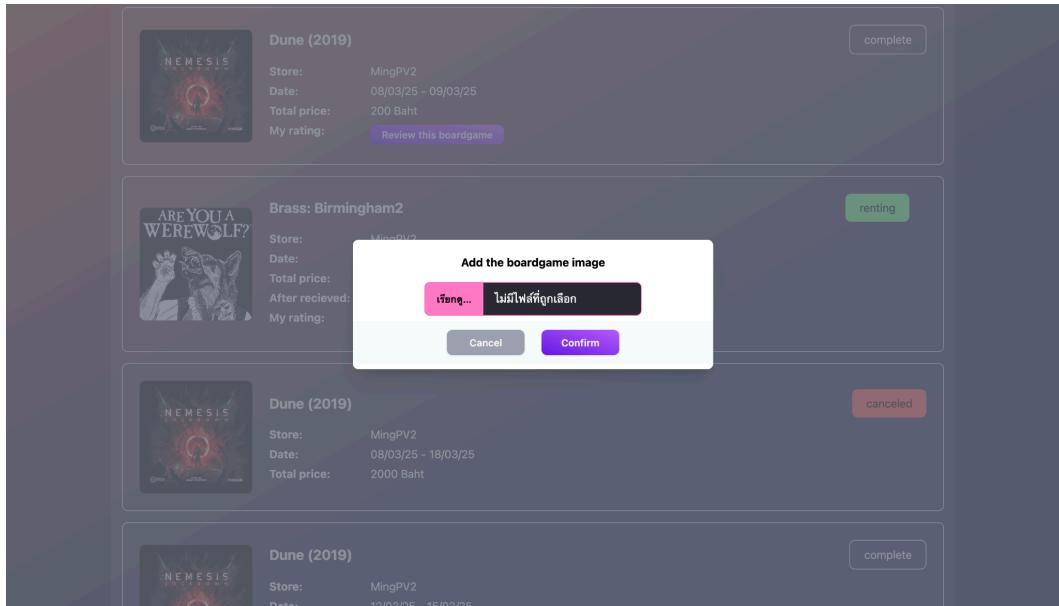
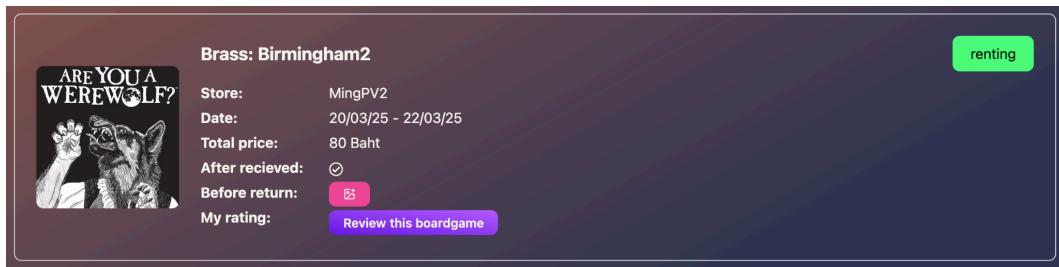
Role : Player

Instruction

- After Receiving the board game user needs to add the picture after receiving the board game.



- Before returning the board game user needs to add the picture before returning the boardgame.

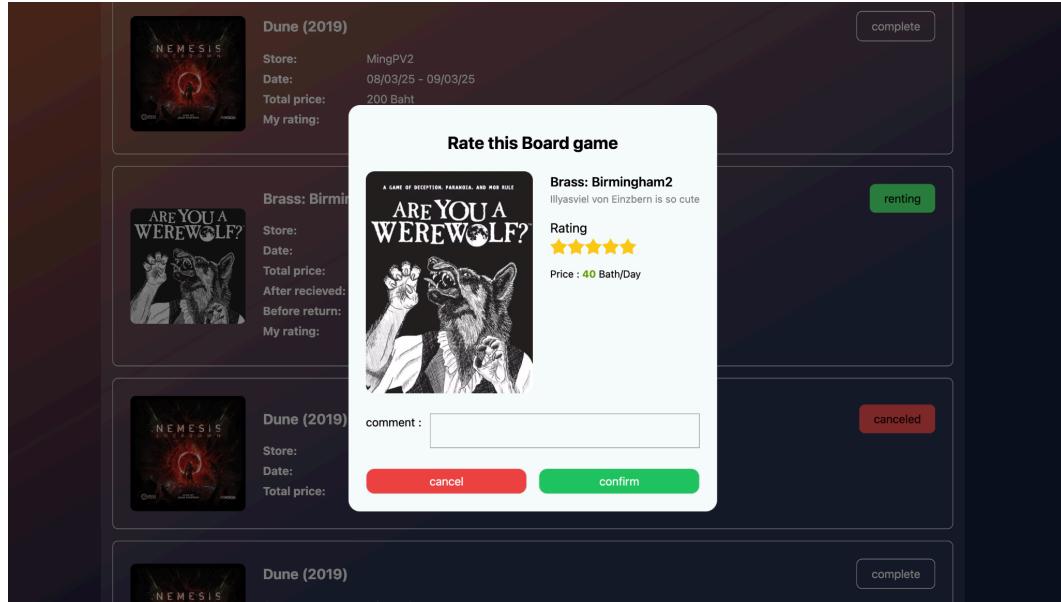


Function : Review board games

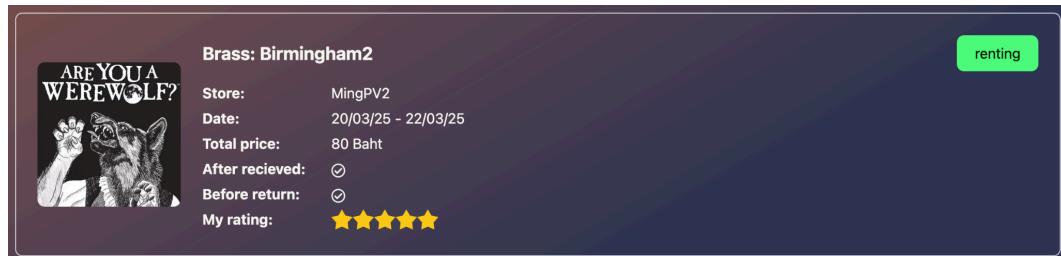
Role : Player

Instruction

- Users can review board games at the My-Rental page at the profile menu.



- After reviewing the board game it will show the rating that you give to provider.



Function : Report

Role : Player, Provider

Instruction

1. User can go to the report form by clicking report menu at the navbar
2. The report has 2 types, General to report for normal report and Rental for report by reference to your rental or if you are a provider it will reference to the rental that player rents to your board games.

The screenshot shows the 'Report Request Form' page with the 'General' tab selected. The interface includes a header with the GameShelf logo and navigation links for Home, Boardgame, Provider, Report, Contact, a notification bell icon with a '3' count, a Wallet dropdown, and a user profile icon. The main form area contains fields for Reporter (input: testmomo), Reported User (dropdown: Select a User), Topic (input: Topic), and Details (text area: Details). A purple 'Send' button is located at the bottom right of the form.

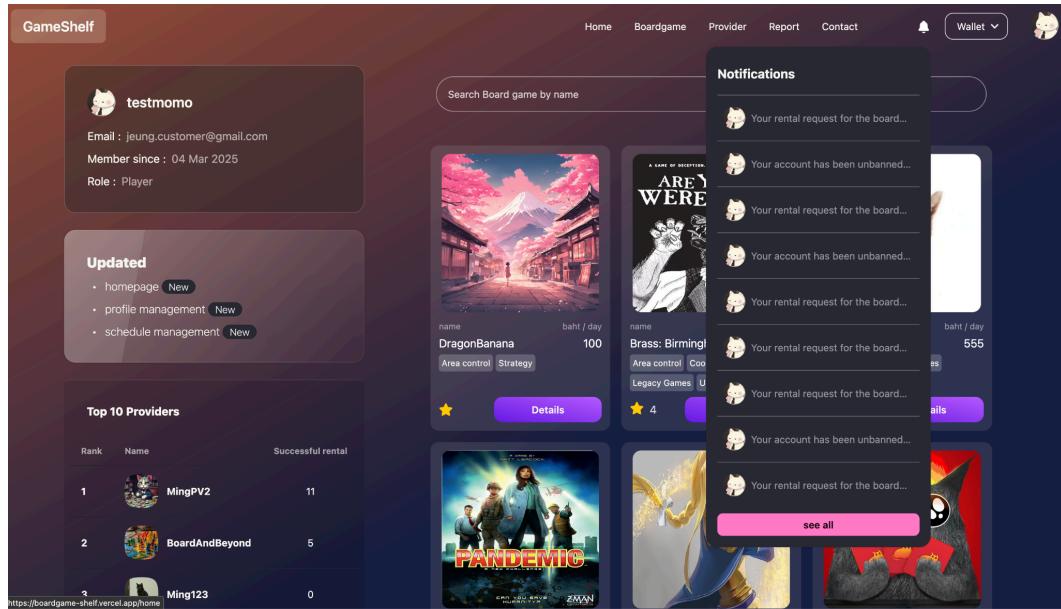
The screenshot shows the 'Report Request Form' page with the 'Rental' tab selected. The layout is similar to the General tab, with fields for Reporter (testmomo), Report to (MingPV2), Topic (Topic), and Details (Details). To the right of the form, there are two card-like boxes showing rental details. The top card is for 'Warhammer Age Of Sigmar : Starter Set' with a werewolf image, provider MingPV2, start date 21 Apr 2025, end date 25 Apr 2025, and a 'complete' button. The bottom card is for 'Werewolf' with a dog image, provider MingPV2, start date 18 Apr 2025, end date 22 Apr 2025, and a 'complete' button. A purple 'Send' button is at the bottom right.

Function : Notification

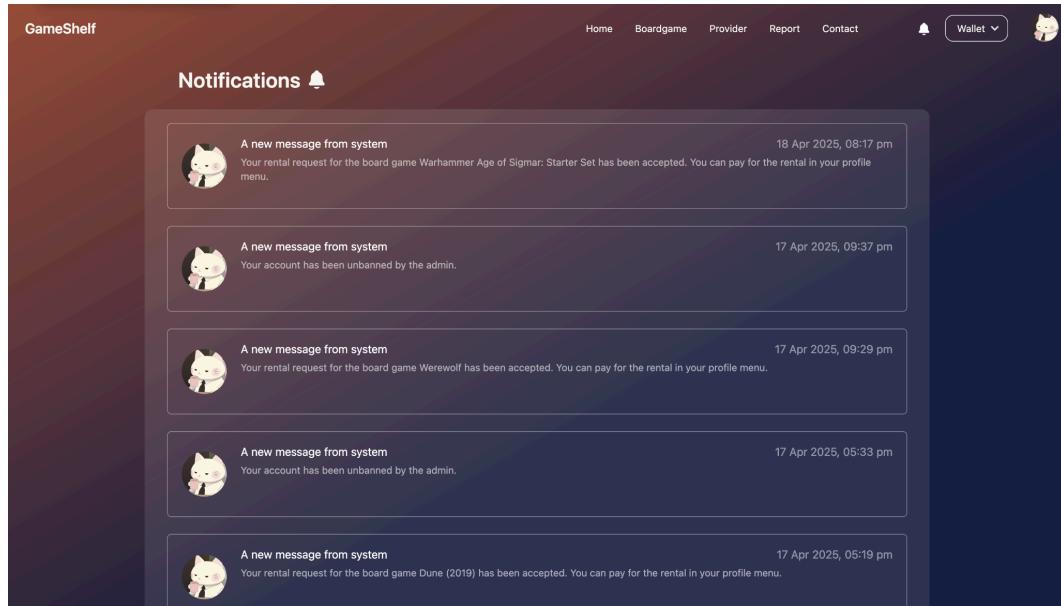
Role : Player, Provider

Instruction

- Users can see the notifications on the navbar and when clicking see all it will navigate to the full notifications page.



- Users can see the details of each notification when being in the notification page.

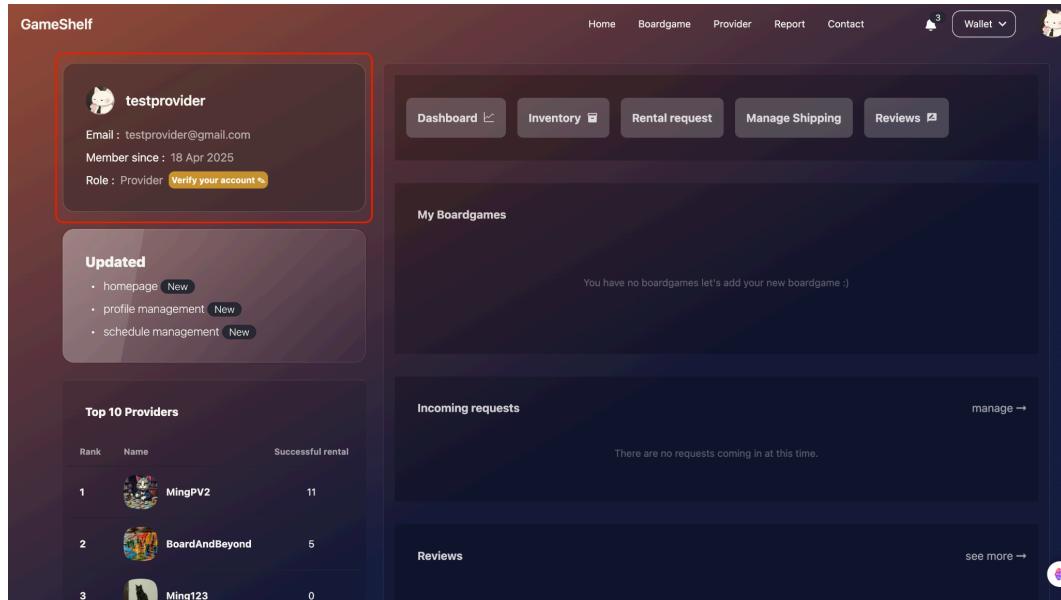


Function : Provider verification

Role : Provider

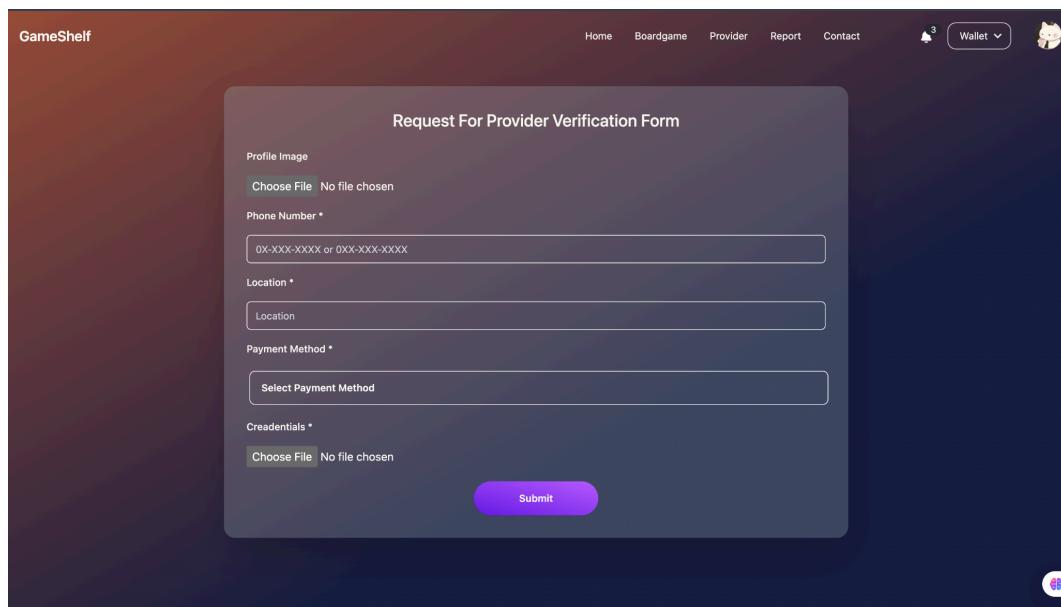
Instruction

- After sign-up as a provider, the user will see the verification button at the homepage.



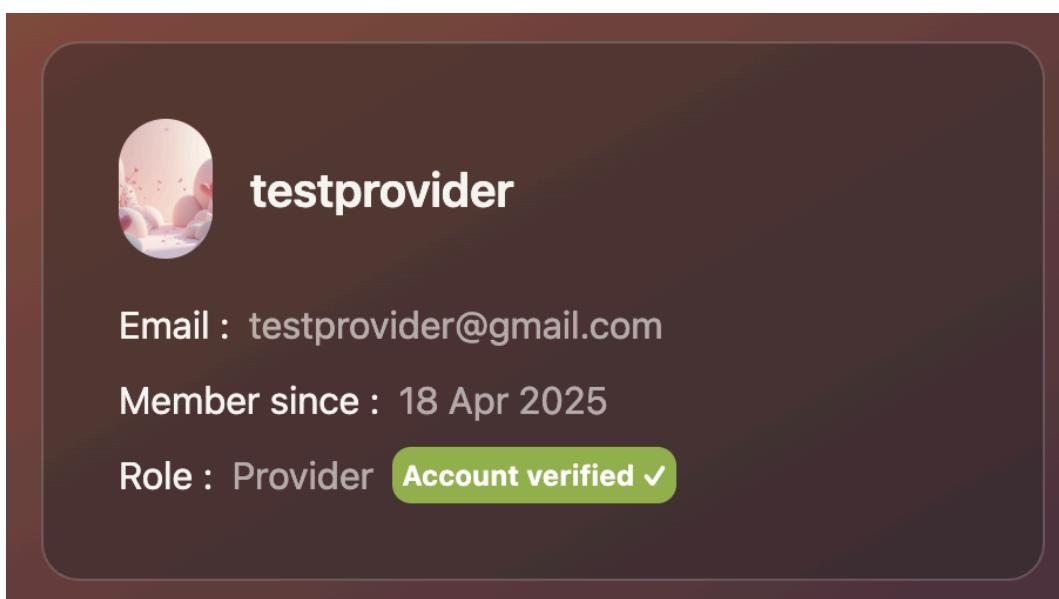
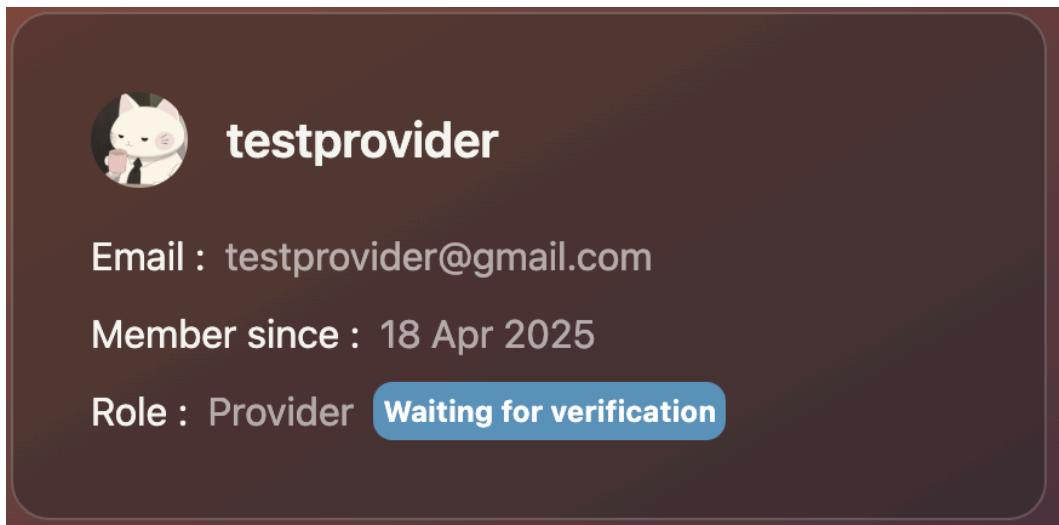
The screenshot shows the GameShelf provider dashboard. At the top left, there's a profile box for 'testprovider' with a placeholder profile picture. It displays the email 'testprovider@gmail.com', member since '18 Apr 2025', and role 'Provider'. A red box highlights the 'Verify your account' button. Below this, a 'My Boardgames' section shows a message: 'You have no boardgames let's add your new boardgame :)'. To the right, there are sections for 'Top 10 Providers' (listing 'MingPV2' at rank 1, 'BoardAndBeyond' at rank 2, and 'Ming123' at rank 3) and 'Incoming requests' (which is currently empty). At the bottom right, there's a 'Reviews' section with a 'see more →' link.

- Fill the form to send the request to the administrator to verify your data.



The screenshot shows a modal window titled 'Request For Provider Verification Form'. The form contains several fields: 'Profile Image' (with a placeholder 'Choose File No file chosen'), 'Phone Number *' (with a placeholder '0X-XXX-XXXX or 0XX-XXX-XXXX'), 'Location *' (with a placeholder 'Location'), 'Payment Method *' (with a placeholder 'Select Payment Method'), 'Credentials *' (with a placeholder 'Choose File No file chosen'), and a 'Submit' button at the bottom.

3. Users will see the status of verification at the profile card after sending the request.

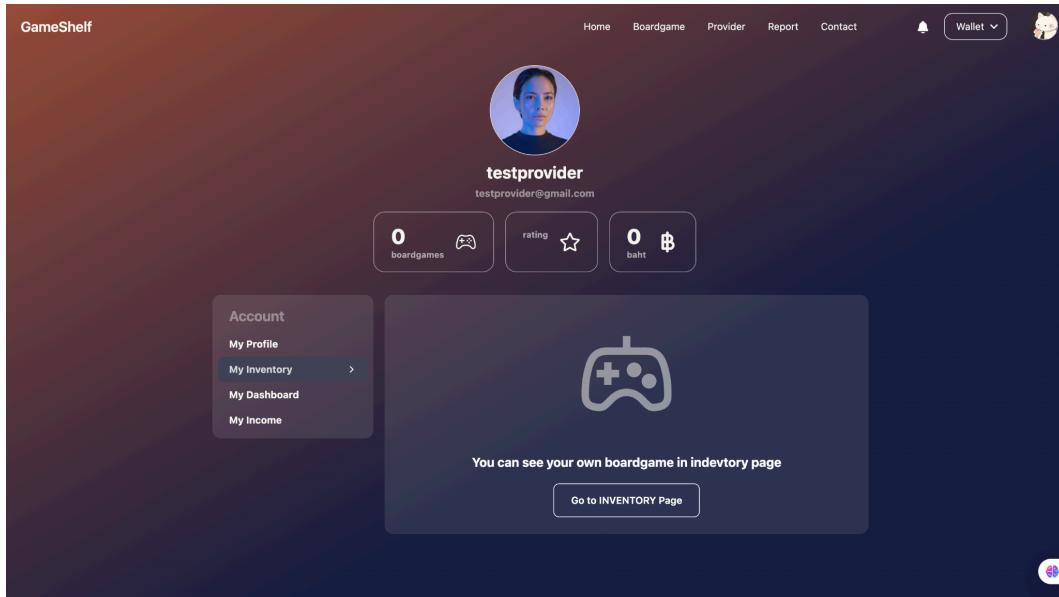


Function : Add board game

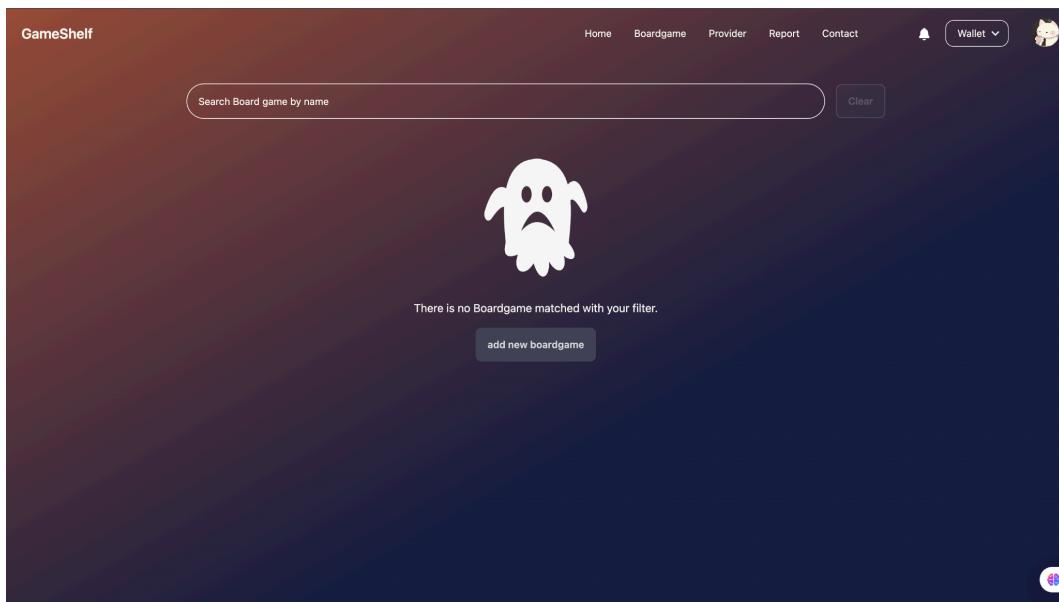
Role : Provider

Instruction

1. Users can add board game at their profile settings by going to Inventory page



2. Click add new boardgame



3. Fill the board game details and then click Add game

Add new boardgame to your shelf

Boardgame Name: DragonBanana

Price: 100

Description: banana

Quantity: 20

Picture URL:

Choose File background2.webp

Boardgame Type:

- Area control
- Cooperative board game
- Dexterity
- Legacy Games
- Strategy
- Party
- Thematic

Add Game

4. After add the boardgame, board game will be showed at the homepage and showed in search board game

GameShelf

testprovider

Email : testprovider@gmail.com
Member since : 18 Apr 2025
Role : Provider [Verify your account](#)

Updated

- homepage New
- profile management New
- schedule management New

Top 10 Providers

| Rank | Name | Successful rental |
|------|----------------|-------------------|
| 1 | MingPV2 | 11 |
| 2 | BoardAndBeyond | 5 |
| 3 | Ming123 | 0 |

My Boardgames

DragonBanana 100

Go to Inventory

Incoming requests

There are no requests coming in at this time.

Function : Manage rental request

Role : Provider

Instruction

- Users will see the request in the provider homepage and can manage it by clicking the manage button to go to the manage page.

The screenshot shows a provider's profile page. At the top, there are account details: Email: jeung.pavee@gmail.com, Member since: 24 Jan 2025, and Role: Provider with an Account verified checkmark. Below this is a 'My Boardgames' section displaying four game cards: 'ARE YOU A WEREWOLF?', 'PANDEMIC', 'DUNE (2019)', and 'WEREWOLF PLUS'. Underneath is a 'Top 10 Providers' table:

| Rank | Name | Successful rental |
|------|----------------|-------------------|
| 1 | MingPV2 | 11 |
| 2 | BoardAndBeyond | 5 |
| 3 | Ming123 | 0 |
| 4 | test22 | 0 |
| 5 | test123 | 0 |

At the bottom left is a link: <https://boardgame-shelf.vercel.app/games/8>. On the right side, there is an 'Incoming requests' section with one item: 'Warhammer Age of Sigmar: Starter Set' from 'testmomo' with a reservation date of '21 Apr - 25 Apr 2025'. A 'manage' button is next to it. At the bottom right is a 'Reviews' section with a 'see more' link.

- Users can click on the request to see the details of the rental request to make a decision

The screenshot shows the 'Manage Rental Request' page for a reservation. The board game requested is 'ARE YOU A WEREWOLF?'. The details include:

- Board Game Requested:** ARE YOU A WEREWOLF?
- Boardgame name:** Warhammer Age of Sigmar: Starter Set
- Price:** 20 Bath/Day
- Reservation:** 21/04 - 25/04 2025
- Overall price:** 80 Bath
- User:** testmomo
- Buttons:** Deny (disabled) and Accept

To the right, there is a 'Next Step' section with instructions: "If you accept the request, the next step is to wait for the player to complete the payment for the board game rental. Once the payment is confirmed, you will need to send the board game to the player." A 'Manage' button is also present.

Function : Manage shipping

Role : Provider

Instruction

- Providers can manage their shipping status at shipping-page

| To be shipped ⓘ | | | | | |
|-----------------|-----------|-------------|-------------|----------|-----------------------|
| | Boardgame | Username | Ship within | | |
| 1 | | Dune (2019) | testplayer | 27/03/25 | <button>Ship</button> |
| 2 | | Dune (2019) | testplayer | 31/03/25 | <button>Ship</button> |

| To be returned ⓘ | | | | | |
|------------------|-----------|--------------------|-------------|----------|-------------------------|
| | Boardgame | Username | Return date | | |
| 1 | | Brass: Birmingham2 | testmomo | 22/03/25 | <button>Return</button> |
| 2 | | Werewolf Plus | winthraKS | 03/04/25 | <button>Return</button> |
| 3 | | Dune (2019) | testplayer | 29/03/25 | <button>Return</button> |

- To manage the status after shipping, providers need to upload a picture of the boardgame to the website. (after shipped picture)

| To be shipped ⓘ | | | | | |
|-----------------|-----------|-------------|-------------|----------|-----------------------|
| | Boardgame | Username | Ship within | | |
| 1 | | Dune (2019) | testplayer | 27/03/25 | <button>Ship</button> |
| 2 | | Dune (2019) | testplayer | 31/03/25 | <button>Ship</button> |

Add the boardgame image

No file chosen

Cancel
Confirm

| To be returned ⓘ | | | | | |
|------------------|-----------|--------------------|-------------|----------|-------------------------|
| | Boardgame | Username | Return date | | |
| 1 | | Brass: Birmingham2 | testmomo | 22/03/25 | <button>Return</button> |
| 2 | | Werewolf Plus | winthraKS | 03/04/25 | <button>Return</button> |
| 3 | | Dune (2019) | testplayer | 29/03/25 | <button>Return</button> |

3. To manage the status after returning, providers need to upload a picture of the boardgame to the website (after returned picture)

Shipping Page

| To be shipped 🚚 | | | | To be returned 🏠 | | | | |
|-----------------|-------------|------------|-------------|------------------|--------------------|-----------|-------------|---------------|
| | Boardgame | Username | Ship within | | Boardgame | Username | Return date | |
| 1 | Dune (2019) | testplayer | 27/03/25 | Ship | Brass: Birmingham2 | testmomo | 22/03/25 | Return |
| 2 | Dune (2019) | testplayer | 31/03/25 | Ship | Werewolf Plus | winthraKS | 03/04/25 | Return |
| 3 | Dune (2019) | testplayer | 29/03/25 | Ship | | | | Return |

Shipping Page

| To be shipped 🚚 | | | | To be returned 🏠 | | | | |
|-----------------|-------------|------------|-------------|------------------|--------------------|-----------|-------------|---------------|
| | Boardgame | Username | Ship within | | Boardgame | Username | Return date | |
| 1 | Dune (2019) | testplayer | 27/03/25 | Ship | Brass: Birmingham2 | testmomo | 22/03/25 | Return |
| 2 | Dune (2019) | testplayer | 29/03/25 | Ship | Werewolf Plus | winthraKS | 03/04/25 | Return |
| 3 | Dune (2019) | testplayer | 29/03/25 | Ship | | | | Return |

Add the boardgame image

CHOOSE FILE No file chosen

Cancel Confirm

Function : Provider dashboard

Role : Provider

Instruction

1. Providers can manage and check the status of all board games in the dashboard page.
2. Providers can cancel the rental if the player pays too late after the rental was accepted by selecting the boardgame to cancel and clicking the cancel button to confirm.

The screenshot shows the 'My Dashboard' page for a provider. At the top, there are navigation links: Home, Boardgame, Provider, Report, Contact, a notification bell icon, and a Wallet dropdown. Below the header, the title 'My Dashboard' is centered.

Overview

This section is divided into two parts: 'renting' and 'reserved'. Both parts have a date range selector set to 'April 2025'.

- renting:** Shows a green button labeled 'renting'. Below it, there are columns for 'Boardgame Name', 'Customer Name', and 'Duration'. A message 'No records found' is displayed.
- reserved:** Shows a yellow button labeled 'reserved'. Below it, there are columns for 'Boardgame Name', 'Customer Name', and 'Duration'. A message 'No records found' is displayed.

To be paid

This section lists boardgames that are due for payment. It includes a 'select all' checkbox and a 'cancel' button at the bottom.

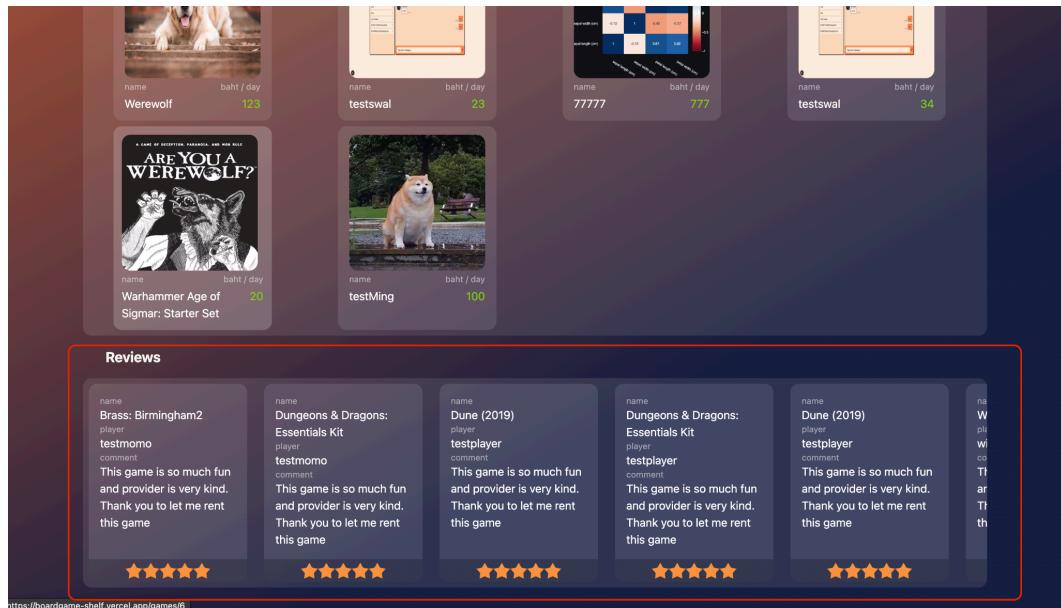
| Order | Image | Boardgame Name | Customer Name | duration | Amount | Status |
|-------|-------|----------------|-------------------------|-----------------------------|----------|---------|
| 1 | | Dune (2019) | Customer name: testmomo | Mar 31, 2025 - Apr 03, 2025 | 600 bath | overdue |
| 2 | | Dune (2019) | Customer name: testmomo | Mar 25, 2025 - Mar 28, 2025 | 600 bath | overdue |

Function : Check Review

Role : Provider

Instruction

- Providers can see the reviews from their board games by going to their profile and then go to the bottom.



The screenshot shows a list of board games at the top, followed by a section titled "Reviews". This section contains five review cards, each with a star rating of 5. The reviews are identical, praising the provider's kindness and the fun of the game. At the bottom of the page, there is a table of incoming requests and a "Reviews" section with more reviews, also featuring 5-star ratings.

<https://boardgame-shelf.vercel.app/games/6>

| Rank | User | Rental Requests |
|------|----------------|-----------------|
| 1 | MingPV2 | 11 |
| 2 | BoardAndBeyond | 5 |
| 3 | Ming123 | 0 |
| 4 | test22 | 0 |
| 5 | test123 | 0 |
| 6 | TabletopCafe | 0 |
| 7 | proper | 0 |
| 8 | testing | 0 |
| 9 | Hello | 0 |
| 10 | 555 | 0 |

Incoming requests

There are no requests coming in at this time.

Reviews

see more →

Brass: Birmingham2
player testmomo
comment This game is so much fun and provider is very kind. Thank you to let me rent this game

Dungeons & Dragons: Essentials Kit
player testmomo
comment This game is so much fun and provider is very kind. Thank you to let me rent this game

Dune (2019)
player testplayer
comment This game is so much fun and provider is very kind. Thank you to let me rent this game

Dungeons & Dragons: Essentials Kit
player testplayer
comment This game is so much fun and provider is very kind. Thank you to let me rent this game

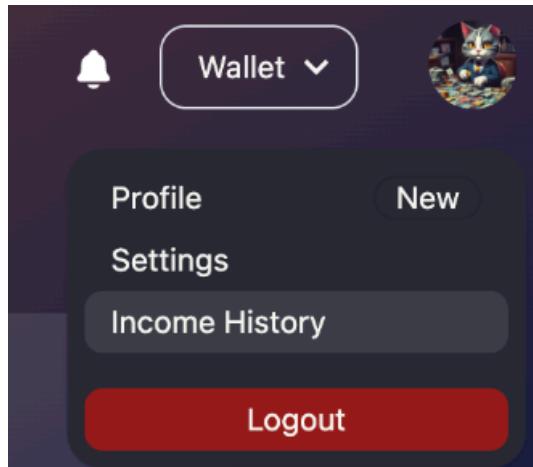
Dune (2019)
player testplayer
comment This game is so much fun and provider is very kind. Thank you to let me rent this game

Function : Income history

Role : Provider

Instruction

- Providers can see the income history by going the income history page by clicking on the income history menu on their profile.



A screenshot of the GameShelf website showing the "Rental Income History" page. The page has a dark brown header with the "GameShelf" logo and a navigation bar with links: Home, Boardgame, Provider, Report, Contact, a bell icon, a wallet icon, and a user profile picture. Below the header is a table titled "Total Amount Received (30152 Baht)". The table has columns: Player name, Boardgame Name, Amount, and End date. The data is as follows:

| Player name | Boardgame Name | Amount | End date |
|-------------|--------------------------------------|-----------|-------------|
| testmomo | Warhammer Age of Sigmar: Starter Set | 60 Bath | 15 Mar 2025 |
| testmomo | Dungeons & Dragons: Essentials Kit | 1200 Bath | 15 Mar 2025 |
| testmomo | Dune (2019) | 600 Bath | 15 Mar 2025 |
| testmomo | Dune (2019) | 400 Bath | 14 Mar 2025 |
| testmomo | Dune (2019) | 400 Bath | 14 Mar 2025 |
| testmomo | Dune (2019) | 600 Bath | 15 Mar 2025 |
| testmomo | Dune (2019) | 600 Bath | 15 Mar 2025 |
| testmomo | Brass: Birmingham2 | 80 Bath | 14 Mar 2025 |

Function : Manage provider

Role : Admin

Instruction

1. Admin can see the incoming verifications at admin-homepage

The screenshot shows the GameShelf admin interface. On the left, there's a sidebar for the user 'MingPV' with details: Email: test@gmail.com, Member since: 24 Jan 2025, and Role: Admin. Below this are buttons for Manage Provider, Manage Report, Report Statistics, and Successful Reports. The main area is divided into two sections: 'Incoming Reports' and 'Incoming Provider Verifications'. The 'Incoming Reports' section lists items like 'cache3' (general), 'cache2' (general), 'cache' (general), 'testagain' (rental), 'test44' (general), 'c: test rental_id 2' (rental), and 'c: test null' (general). The 'Incoming Provider Verifications' section lists requests from 'Victory', 'test123', '555', and others, each with a 'Manage' button.

2. Manage the provider verification request by using the details that provider provided.

The screenshot shows the 'Manage Provider Page' with the title 'Provider Verification Requests'. It displays three requests:

- Victory**: Requested on 2/8/2025, 1:24:51 PM. Details: Email: prov03@gmail.com, Phone: 02-111-1111, Location: 78, Olympus Mons, Mars, Payment Method: Bitcoin. Credential: download. Buttons: x Denied, ✓ Accept.
- test123**: Requested on 2/9/2025, 6:12:11 PM. Details: Email: jeung1233.pavee@gmail.com, Phone: 062-198-8115, Location: test123, Payment Method: test555. Credential: download. Buttons: x Denied, ✓ Accept.
- 555**: Requested on 2/9/2025, 6:17:23 PM. Details: Email: jeung512.pavee@gmail.com, Phone: 062-198-8115, Location: test123. Credential: download. Buttons: x Denied, ✓ Accept.

Function : Manage report

Role : Admin

Instruction

1. Admin can see the incoming reports at admin-homepage

The screenshot shows the GameShelf admin homepage. On the left, there's a sidebar with user information (Email: test@gmail.com, Member since: 24 Jan 2025, Role: Admin) and links for Manage Provider, Manage Report, Report Statistics, and Successful Reports. The main area is divided into two sections: 'Incoming Reports' and 'Incoming Provider Verifications'. The 'Incoming Reports' section lists several entries with 'general' or 'rental' types, each with a 'Manage' button. The 'Incoming Provider Verifications' section lists requests from various users like 'Victory', 'test123', '555', etc., also with 'Manage' buttons. At the bottom of both sections are 'Manage all reports' and 'Manage all requests' buttons.

2. Report management page has 2 parts, the top is my responsibility and the bottom is the report that has no admin who is taking action at that time.

The screenshot shows the 'All Reports' page. It has two main sections: 'Waiting for my consideration' and 'Incoming reports'. The 'Waiting for my consideration' section shows two reports from 'bonus555' and 'MingPV2' with their details and a 'Manage' button. The 'Incoming reports' section shows four reports from 'MingPV2', 'testplayer', and 'testplayer' again, each with a 'Take' button. The reports have topics like 'hihi', 'test', 'general', 'general', 'general', 'general', 'general', 'general', and 'rental'.

3. In general you can only ban the user but in rental type you can ban and give the player a refund for that rental.

The screenshot displays two instances of the GameShelf platform's moderation interface. Both instances show a central modal window over a dark-themed dashboard.

Top Modal (Reported Topic: hihi):

- Topic:** hihi
- Type:** general
- Reporter:** bonus555
- Reported:** Hello (Currently banned (18 Apr 2025))
- Details:** The zero plural avoids the problem of having two sibilants in quick succession at the end of the words, and coincidentally maintains the classical tradition.
- Buttons:** Extend Ban Hello, Verdict input field, Cancel, Submit.

Bottom Modal (Reported Topic: test):

- Topic:** test
- Type:** rental
- Reporter:** MingPV2
- Reported:** testplayer
- Details:** 123
- Image:** Four small images showing a cat at a table with a board game.
- Buttons:** Refund to player, Ban testplayer, Verdict input field, Cancel, Submit.

Background Dashboard (Both Instances):

- Waiting for my consideration:** Shows reports from bonus555 and MingPV2.
- Incoming reports:** Shows reports from MingPV2 and testplayer.
- History:** Shows past actions like banning on specific dates.

Function : Report statistic / Unban

Role : Admin

Instruction

1. Admin can see the statistics of the report and users who got the report at the report statistics page.

The screenshot shows the 'Report Statistics Page' on the GameShelf website. The left side features an 'Overview' section for April 2025, which includes a summary of completed, considering, and waiting reports, along with a search bar and a list of banned users. The right side displays a 'Most Reported Users' section with a table showing four entries, each with a user icon, name, total reports, and a 'Manage' button.

| Rank | User | Total Reported | Rental | General | Pending Verdict |
|------|------------|----------------|--------|---------|-----------------|
| 1 | MingPV2 | 9 | 6 | 3 | 1 |
| 2 | testplayer | 5 | 5 | 0 | 0 |
| 3 | testmomo | 5 | 5 | 0 | 1 |
| 4 | 555 | 4 | 0 | 4 | 3 |

2. Admin can unban the users on the left side and filter the date.

This screenshot shows the same 'Report Statistics Page' as above, but with all users unbanned. The 'Unban' buttons next to each user entry in the main list are now greyed out, indicating they are no longer banned.

Function : Report history

Role : Admin

Instruction

1. Admin can see the report history by going to the report history page to manage the report in the past or getting the report data if needed.

Successful Report History

| Reporter | Reported | Verdict | Admin | Completed |
|------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------|
| testplayer | MingPV2 | test ban by mingming | MingPV | 14 Mar 2025 |
| testplayer | MingPV2 | test noti2 | MingPV | Invalid Date NaN |
| testplayer | MingPV2 | test extend | MingPV | 14 Mar 2025 |
| testplayer | bonus555 | test by ming again | MingPV | 14 Mar 2025 |
| testplayer | MingPV2 | The report requires minor revisions before final approval. Once adjustments are made, it will be marked as complete. | Warissara | 14 Mar 2025 |
| testplayer | bonus555 | The report is nearing completion, requiring only a few minor modifications before it can be finalized. Recent feedback has been reviewed, and necessary adjustments are being made to ensure accuracy and completeness. Once all updates are verified and approved, the document will be ready for submission. If no additional | MingPV | 14 Mar 2025 |

Limitations of the implementation

Website performance

- Website performance is not good because we did not implement the cache for loading data

Admin UI

- Admin user interface is too similar to the player interface or provider interface and It is uncomfortable for the eyes if you have to work for long periods of time.

Payment system

- There is only one payment method to pay that is using a credit card. So that makes payment difficult.