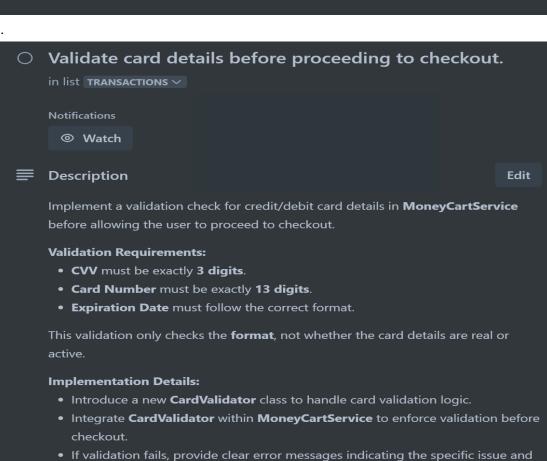
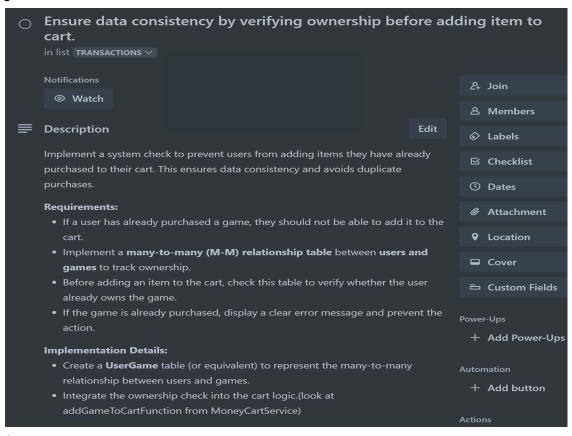


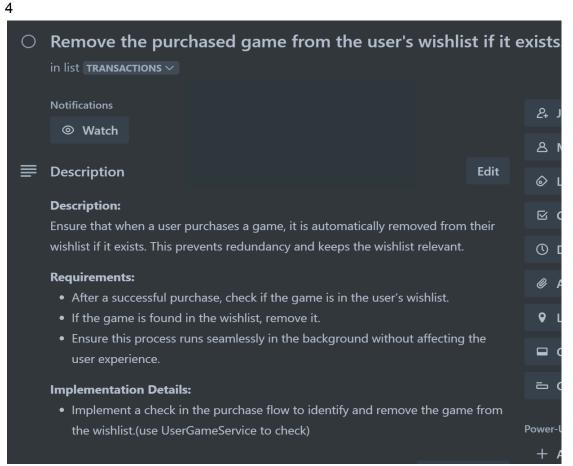
 $\circ\;$ Handle edge cases (e.g., removing the last game in the cart).

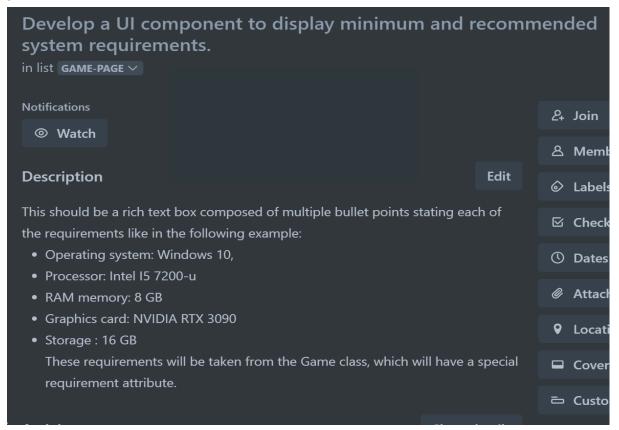
2.



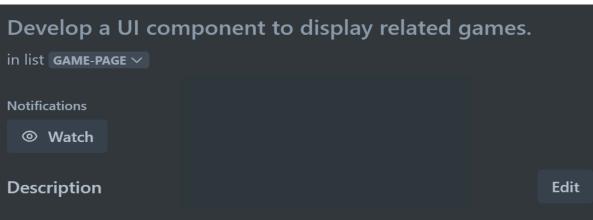
prompt the user to correct the details.







6



This should be a rich text box containing 3 hyperlinks redirecting the user to the most related games. In order for the game to be classified as 'related' it has to be in the same genre (e.g adventure games). The 3 most related are those with the highest aggregated rating in their respective genre.

Implementation: The games will be taken from the Games table in SQL and only those from the genre of the current game will be taken into consideration. After this, they will be sorted descendingly by their aggregated rating and the hyperlinks of the first 3 games that show up after the sorting will be put one on top of the other in the rich text box.

Add a Points Shop section as a sub-tab in the store page.

in list **POINTSSHOP** V

Notifications

Watch

Description

Edit

- Integrate the Points Shop as a dedicated sub-tab under the Store page.
- Ensure the tab appears in the store's navigation menu.
- Clicking the Points Shop tab should display a new page containing items that can be purchased with points.
- The Points Shop page should have a clear header labeled "Points Shop."
- The UI should match the store's general design for consistency.
- Initially, populate the Points Shop with some hardcoded items for testing purposes.

Fetch and display the user's points balance in the Points Shop and store page. in list **POINTSSHOP** \vee **Notifications** ے Join Watch A Membe Edit Description Labels • Retrieve the user's points balance from the database upon navigating to the ☑ Checkli store or Points Shop. • Display the balance in a fixed position on both the store page and the Points (Dates Shop tab. Attachr • Ensure the balance updates dynamically when a user earns or spends points. • Format the balance display (e.g., "Your Points: 1,250"). Locatio

Deduct the correct number of points from the user's balance when purchasing an item.

in list POINTSSHOP V

Notifications ے Join Watch A Memb Description Edit Labels • Implement a function to check if the user has enough points for the selected item. • If the user has sufficient points, subtract the item's cost from their balance and (Dates add the item to the "Owned item list" implemented on the bottom of the page. Attach • Prevent the purchase if the user does not have enough points, displaying an error message. **♀** Locati • Update the user's balance in both the frontend and backend upon a successful purchase. Cover

9

Create a UI component that displays details of items available in the Points Shop. in list **POINTSSHOP** ~ Notifications ے Join Watch **&** Members Edit Description Labels • Develop a UI component that displays each item's details in the Points Shop. ☑ Checklist • The item details should include: o Item name (Dates o Item image Attachme Item description Points cost **♀** Location ○ A "Purchase" button • Ensure items are displayed in a grid or list format for easy browsing. Cover • Hovering over an item should slightly highlight it to improve user experience. □ Custom F • Clicking on an item should open a modal or expanded view with additional Power-Ups • Ensure the "Purchase" button is disabled if the user does not have enough + Add Powe • Fetch item details dynamically from the database and update the UI accordingly.

GUI: Game Lists in list HOMEPAGE Notifications Watch Description Edit

Prerequisites:

- StoreView class template
- Game class from the domain
- A way to display a single game (see "Displaying a Single Game" task)
- **No connection to the back-end** is required other than being able to use the Game class from the domain

Description:

The new methods written for this task will be added in the StoreView class.

On the homepage, add 3 lists in the GUI that are able to display 5 Games at a time. Arrow(pointing outwards from the center) buttons on the left(previous) and right(next) move the displayed games to the previous/next 5 games that are available to be displayed. If there are less than 5 games on a page to be displayed, the remaining slots in the list will be left blank, displaying just a pre-defined empty slot model. For now, put some hardcoded games in those lists.

The 3 lists will be stacked vertically, each list displaying its respective games horizontally.

The 3 lists will be the lists for trending, on sale and recommended games in the future, when they will be populated with actual entities from the repository. The category for each list shall be displayed in a text box above the list in an easy to read font and large letter size.

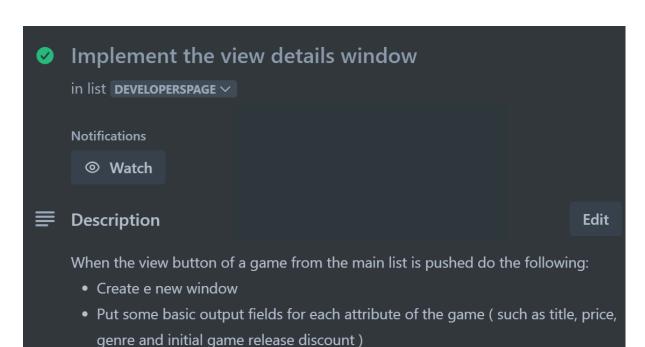
Populate Trending Games List in list **HOMEPAGE** ~ **Notifications** Watch Edit Description Prerequisites: Database created, populated and connected • Game Lists in the GUI (see "Game Lists" task) • Domain, GameService, GameRepository, HomePageViewModel class templates created Description: Add a way to filter the trending games from the repository, bringing them to the GameService and HomePageViewModel . Trending games respect the following criteria: **Trending score** of a game = number of buyers in the last 7 days divided by highest number of buyers for any game in the last 7 days. **Trending Games** are the top n games with the highest trending score, where n is a parameter for your functions. For populating the list in StoreView, n=10. In StoreView set the list that displays the trending games to display the trendingGames ObservableCollection from the HomePageViewModel.

Populate Games on Sale List in list **HOMEPAGE** \vee **Notifications** Watch **Edit** Description Prerequisites: • Database created, populated and connected • Game Lists in the GUI (see "Game Lists" task) • Domain, GameService, GameRepository, HomePageViewModel class templates created • Trending Score computation (Included in "Populating Trending Games List" task Description: Add a way to bring games on sale from the repository to the GameService and HomePageViewModel. Games on sale are games which have the discount field > 0. You should filter the games that are on sale and be able to return the top n games on sale ordered by their **trending score.** For populating the lists in store view, n=10. In StoreView set the list that displays the games on sale to display the gamesOnSale ObservableCollection from the HomePageViewModel.

Validate Games from other Devs in list DEVELOPERSPAGE Notifications Watch Description Edit

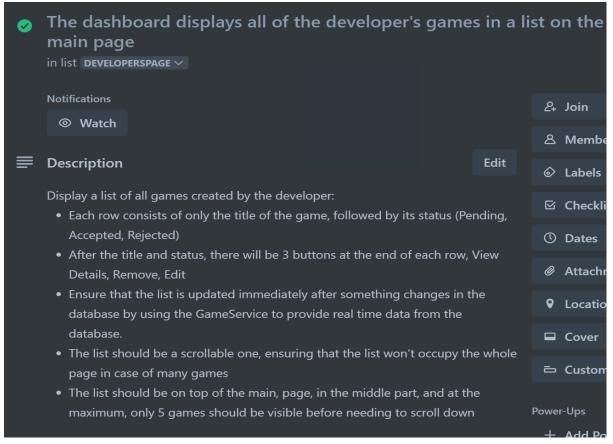
This is related to the page where developers can accept or reject games from other developer, using the already implemented validation page:

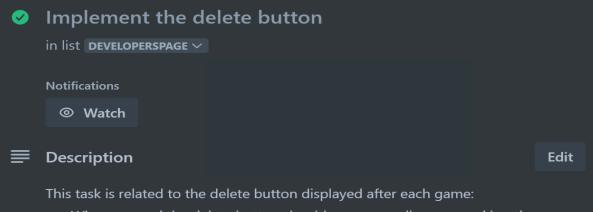
- If the approve button that has been previously implemented is pressed, then the game's state goes to approved and the game is published on the steam store
- In this case, the DB should immediately be updated to contain the game, and it should instantly be available on the developer page.
- If the reject button is pushed, then make sure that the developer also inputs a message for the rejection reason
- If the reason is written, and the reject button is pressed, then make sure that the status is set to rejected, and the game is not published on the store
- The DB should also update to contain the game, but with the rejected status,
 the change needs to also be visible on the developer game list



- Put a small icon where the game status will be displayed
- Near the icon, put a textbox where in case of the game being rejected, it displays the rejection message, else the textbox will be empty
- Add a get back to home page button

16.





- When pressed the delete button should open a small pop-up asking the developer if he is sure he wants to delete the game, with two options, yes or no
- If yes is pressed, then the game shall be deleted from the developer page
- If yes is pressed, then the game shall be deleted from the store page
- If yes is pressed, then the game shall be deleted from all of the active users who own it, after the dev will be shown with the appropriate warning that the game is currently owned by other players.
- Make sure that the update is reflected immediately on the developer list (i.e it instantly gets deleted from the DB and then from the list)

18.



