Ethan Hunt

Team Member Information

* + hunte4@mymail.nku.edu

Stage B

Feature 1: Game Catalogue

Rationale

This feature will be to design and implement a game catalogue on the main page of the website. The user should be able to see a small description of the game and have the ability to click on a game to go to a game webpage. I would also be responsible for creating and designing the specific game webpage for the user, which will display more in-depth information about the game. Creating this will require a template for the home page to display images as well as descriptions and a click feature, as well as a template for displaying a game's webpage with more information.

Requirements

Who: I as a user  
What: Should be able to search through the game catalogue  
Why: So that I may find information on a specific game

Deliverables

* Design:  
  A diagram of a game

  Description automatically generated
* code: https://github.com/FlamingPyro/CSC440-Wiki-Gaming/tree/game\_catalogue
* test: https://github.com/FlamingPyro/CSC440-Wiki-Gaming/tree/game\_catalogue/Test%20Branch
* documents: https://github.com/FlamingPyro/CSC440-Wiki-Gaming/tree/game\_catalogue

Test Plan

Test to make sure the game catalogue displays game images and descriptions properly, as well as click testing to make sure games go to their specified game page.

Milestones and Deadline

* + **Deadline**: 3/17/2024
  + Milestone 1
    - Date: 3/17/2024
    - Goal: Complete Stage B project outline and preparation
  + **Deadline**: 4/21/2024
  + Milestone 2
    - Date:
    - Goal: Complete Stage C/D of the project, implementing the Game Catalogue and merging it with the main branch

Risk Analysis

1. Midterm 2 on 4/10/2024
2. Homework 3 due 4/3/2024
3. Homework 4 due 4/24/2024
4. Having all branches of code be compatible with each other

Stage C: Progress

Feature Implementation

Week 1

Summary

Created a prototype of the future home page as well as an individual page for one of the games. Because it is a prototype, they are basic and are not connected. I still need to figure out how to get the correct page to show on the home screen.

Milestones or risks in this week

Completed creating the home and a specific game page on Saturday 3/23/2024. Have not completely figured out how to display the pages correctly in the system.

Design

The home page displays a list of game titles, images, and small descriptions for the user to search through. The specific game page displays information about a specific game, images, and more in depth information.

**Github Link**: https://github.com/FlamingPyro/CSC440-Wiki-Gaming/tree/game\_catalogue

Code

Added two new files: prototype\_home and prototype\_page

LoC created in prototype\_home.py: **19**

LoC created in prototype\_page.py: **34**

**Github Link**: https://github.com/FlamingPyro/CSC440-Wiki-Gaming/tree/game\_catalogue

Week 2

Summary

For this week, I spent the time planning for exactly what games I was to include in the final product along with descriptions, images, and where I could incorporate other features of the wiki site into them. Essentially, make sure that each game displayed on the Home page is paired with a title, an image of the game cover, a small description, and a bookmark tag. The user will be able to click on the image to access the game's specific home page, as the image will be a button itself.

Milestones or risks in this week

For this week I accomplished my second milestone of planning out what I was to display inside of my webpages that I am tasked with creating. Risks for this week included the holiday weekend and unexpected family members visiting for it.

Milestones Reached:

* Decide what games to include on the wiki page along with their information
* Develop a plan on how to structure each webpage

Design

A screenshot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generated

Week 3

Summary

Accomplished my third milestone of incorporating a database to store information on each game in the wiki system to be called upon and reduce duplication in each file that needs the data. The game name plus an image of the game now displays on the home screen of the wiki, though adjusting of images and sizes will need to be made in the future.

Milestones or risks in this week

Accomplished my third milestone for displaying data from a database properly on the home page.

Milestones Reached:

* Create a database to store game information
* Properly display it on the home page

Risks for this week included time management and preparing for Homework 3 and Midterm 2.

Mainly Integrated tests:

* Test that games are properly input into the database
* Test that data can be pulled properly from the database
* Test that images can be displayed by putting the image file name in a column of the database

Design

For design, I followed the plan that I created in Week 2 with how I'd like to display the games on the home page of the wiki system. The bookmark feature as well as the tags will be another milestone for Week 4. The game images will also work as buttons to take the user to the specific game's page, which will be another milestone.

**GitHub Link**: https://github.com/FlamingPyro/CSC440-Wiki-Gaming/tree/game\_catalogue

Code

Added "models.py", "extensions.py", "home\_data\_db.py", and "home\_data.db"

Added to "routes.py" to collect and send the data to "home.html"

Added to "\_\_init\_\_.py" to initialize and allow the SQL database to work properly

Added to "Riki.py" to initialize the SQL database upon starting

Modified "home.html" to display game titles and images

LoC added in Riki.py: **3**, Total LoC: **14**

LoC added in \_\_init\_\_.py: **4**, Total LoC: **63**

LoC added in routes.py: **1**, Total LoC: **187**

LoC added in home.html: **3**, Total LoC: **13**

LoC in new file models.py: **8**

LoC in new file extensions.py:**2**

LoC in new file home\_data\_db.py: **17**

LoC in new file home\_data.db: **0**

**GitHub Link**: https://github.com/FlamingPyro/CSC440-Wiki-Gaming/tree/game\_catalogue

Week 4

Summary

Accomplished my fourth and fifth milestones of implementing the game icons as buttons to their details pages on the home screen as well as figuring out and creating detail pages for games. This will now allow my branch of the code to be used by others to integrate their portions of the project and make my part be detail/information placement for the home page, home page database, and detail pages.

Milestones or risks in this week

Accomplished my fourth and fifth milestones for displaying buttons as game icons and detailed game pages.

Milestones Reached:

* Display each game's detail link as an image button
* Learn how to create the detail pages
* Learn how to display images on said detail pages

Risks for this week included time management and completing Homework 3 and Midterm 2.

Mainly Integrated tests:

* Test that buttons work properly to take users to the specific game's detail page
* The link for the detail page was easy to remember
* How text works in markdown files and how to display images

Design

For design, I followed the plan that I created in Week 2 with how I'd like to display the games on the home page of the wiki system. The bookmark feature as well as the tags will be moved to Week 5 as milestones if they can be added to the system, and even "Add to Cart" buttons for the shopping system.

**GitHub Link**: https://github.com/FlamingPyro/CSC440-Wiki-Gaming/tree/game\_catalogue

Code

Modified "home.html" to display buttons with images

Added markdown files to display detail pages

Changed images in /static/images

LoC added in home.html: **5**, Total LoC: **18**

**GitHub Link**: https://github.com/FlamingPyro/CSC440-Wiki-Gaming/tree/game\_catalogue

Week 5

Summary

Accomplished my sixth milestone of making the home page look clean and easy to read. A change in plan mean that the game icons on the home page link directly to the forum page as well as deciding to not have the bookmark feature, so all of my milestones are completed.

Milestones or risks in this week

Accomplished my sixth milestone of making the home page look nice for easy viewing.

Milestones Reached:

* Have the home page display nicely

Risks for this week included time management and starting on Homework 4.

Mainly Integrated tests:

* Test that buttons work properly to take users to the specific game's forum page
* The link for the detail page was easy to remember

Design

I remade home.html to be shorter and cleaner for looping and creating the home page. Put each of the games and their buttons inside of a box to split them apart from each other.

**GitHub Link**: https://github.com/FlamingPyro/CSC440-Wiki-Gaming/tree/main

Code

Final amount of changed code to include my feature

LoC added in routes.py: **1**

LoC added in models.py: **5**

LoC added in comments\_db.py: **9**

LoC added in home.html: **17**

Total LoC added to the system: **32**

**GitHub Link**: https://github.com/FlamingPyro/CSC440-Wiki-Gaming/tree/main