LIVE | Educational Video Game Database
Sprint Plan 1

Team Roles:

Product Owner - Zachary McDowell
Scrum Master - Nilo Lisboa
Developers - Komo Zhang, Yeon Chae, Xiuyu Tang

Stakeholder:
Dr. Michael Rugh - michael.rugh@tamu.edu

Customer meeting date/time/place:

Mondays @ 6pm, online meetings on Zoom.

Summary:

Zach McDowell and Nilo Lisboa convened with stakeholder Dr. Michael Rugh and his team (Aaron Tebow, Anthony Jones and Tristen Norman) to discuss project overview and agenda planning. During this session, Dr. Rugh articulated his vision on developing a data management system that primarily teachers, faculty, and students can utilize for finding educational video games (EVGs). The consensus solution to this was creating a cloud-based database that ensured user-friendly searchability and editable content for intended admins. This application would allow users to search for EVGs by keywords, categories, sources, etc. Additionally, admins can continuously add, delete, or edit EVGs on the application.

Dr. Rugh shared a project design document, which highlighted the composition of the project outline. This included a project description, the technical requirements, project management, and additional development information.To communicate further, our team joined Dr. Rugh's Microsoft TEAMS channel and have shared supplementary contact information. We agreed to arrange a weekly meeting every Monday at 6:00PM CST, through Zoom call.

User Stories:

1. Chore: Create a database using MongoDB or PostgreSQL
As a general user
So that I may search for Educational Games
I need a searchable database

2. Chore: Populate database with CSV data given by LIVE Lab
As a general user
So that I my searches may yield educational game results
I need the database to be populated with educational game data

3. Feature: Create a search bar that is capable of retrieving data from the DB
As a general user
In order to search for educational games in the database
I need a search bar that can pull results from the database

4. Feature: Add Filtering functionality to the search bar
As a user
In order to refine my search results
I would like to be able to filter my searches to specific sets of data

5. Feature: Add Sorting functionality to search bar
As a general user
In order to improve the ordering of my search results
I would like to be able to sort my searches

6. Feature: Implement a display page with game information for each game
As a general user
In order to learn about educational games that I have found
I should be able to view a details page with game media and information

7. Feature: Allow authorized users to create new game entries in the application
As a faculty member
In order to update the database with new educational games
I need the ability to create new game entries

8. Feature: Allow users to create a new account
As a general user
I would like to make privileged requests to the database
Therefore, I need to be able to create a new account

9. Feature: Create a login page for users
As a privileged user
In order to make privileged requests (Add, Delete, Patch) against the database
I want to be able to login to my account

10. Feature: Implement Login Recovery for user accounts
As a privileged user
So that I may access my account in case of lost credentials
I need to be able to recover my password

11. Feature: Implement request validation (Zero Trust)
As an administrator
In order to ensure the application data is secure
I need the application to deny all requests from accounts without sufficient permissions

12. Feature: Allow authorized users to edit information on an education game's details screen
As a privileged user
To make sure that data displayed on the application is accurate and up to date
I need to be able to edit fields within game details.

13. Feature: Implement a basic main page that introduces the application
As a general user
So that I may navigate the application
I need a main page that presents me the application

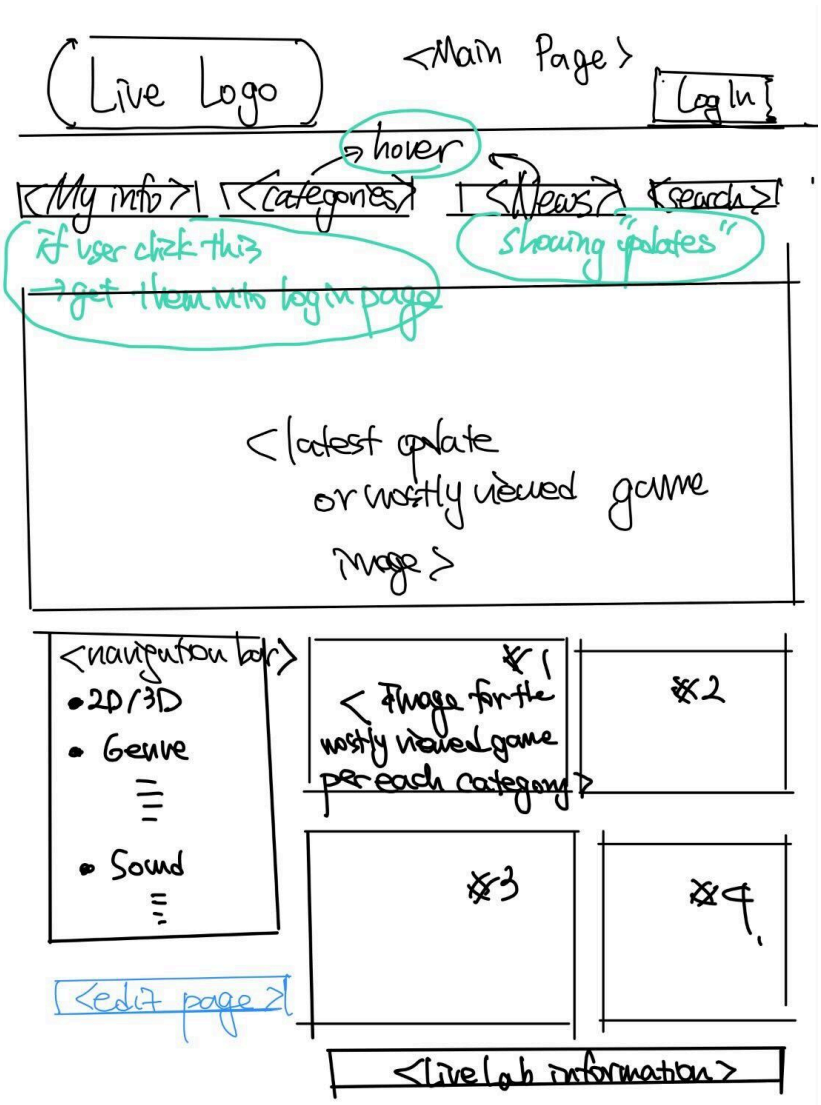
14. Feature: Implement links to other functions on the main page
Ad a general user
In order to know which tasks I can perform on the application
there should be links and actions that I may see from the main page

15. Feature: Allow authorized users to delete games from the application
As an administrator
In order to ensure all game information is suitable to be stored within the application
I need to be able to delete game information from the database.

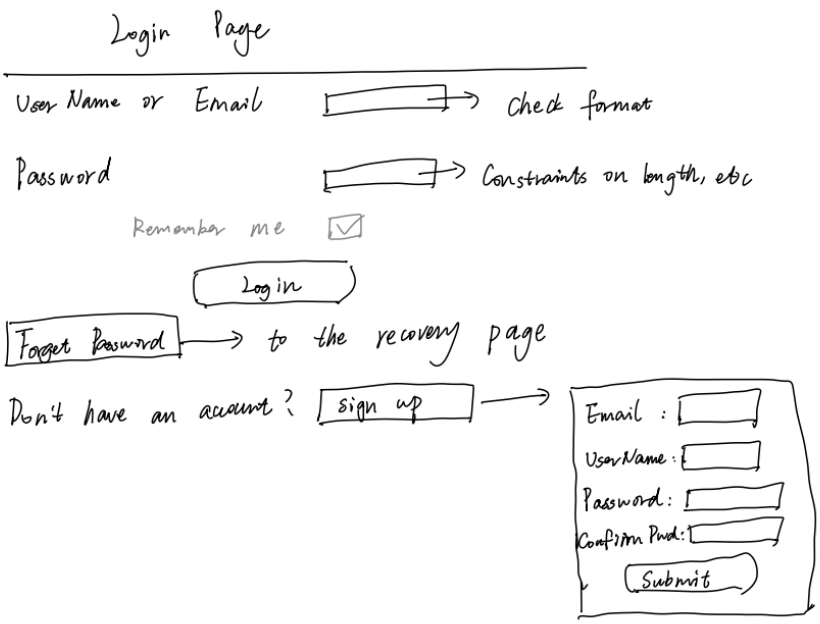
16. Feature: Create Heroku deployment for the application
As a general user
In order to access the application remotely regardless of platform
I need to have the application deployed on a cloud-hosting platform

User Interface:

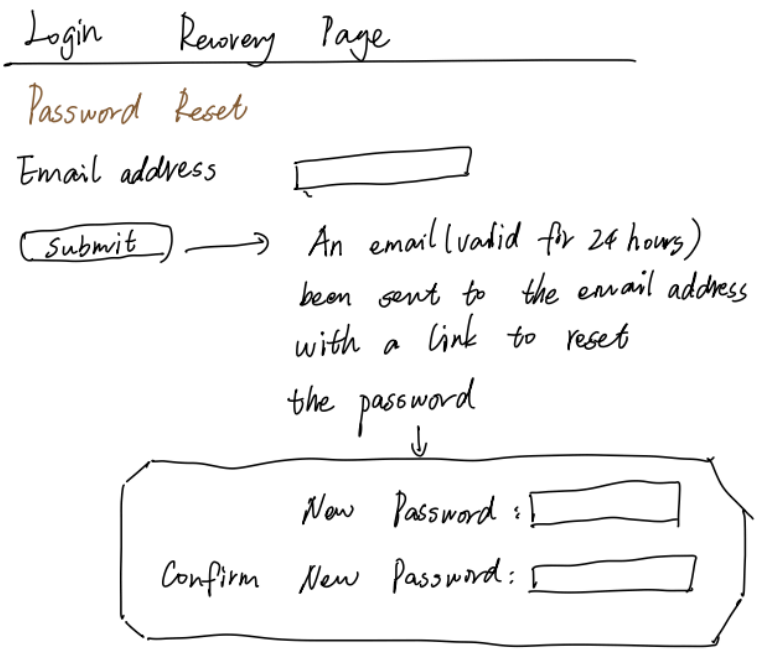
User Stories #13, 14 - Main Page of the application



User Stories #8, 9 - Login Page / Create New Account

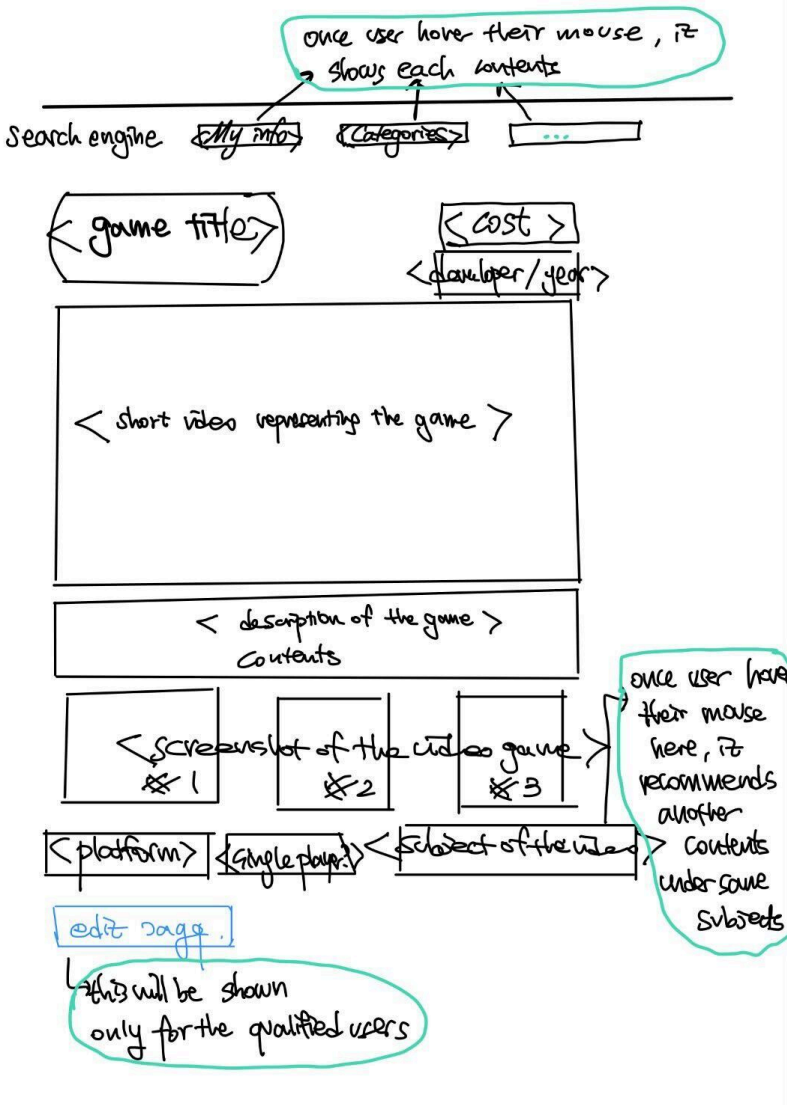


User stories Case #10 - Login Recovery Page

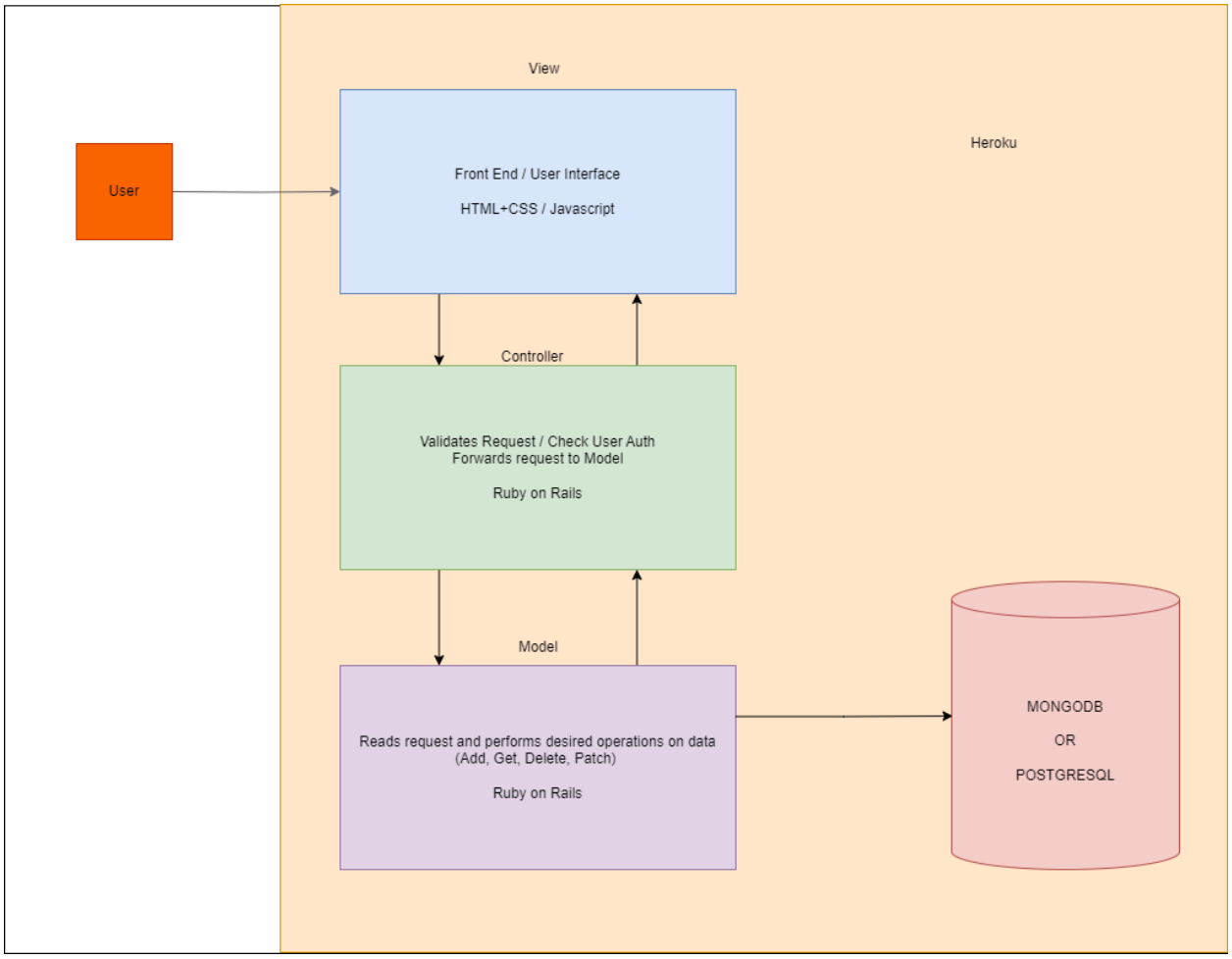


User Stories #7 - Storyboard for allowing authorized users to create new game entries in the application

User Stories #6, 12- Details screen for each educational game, presents labels, name, developer, etc



Architecture:



Sprint Backlog:

Sprint Goal: Initialize the project. Set up the main page of the website and provide some basic actions on the page. Set up the database. Deploy the project using Heroku so that our customers can access the website.

User Stories for Sprint 1:

1. **Feature: Create Heroku deployment for the application**
   Assigned to: Xiuyu
   Points: 2
   Estimated Time: 2 days

2. **Feature: Create a database using MongoDB or PostgreSQL**
   Assigned to: Komo
   Points: 2
   Estimated Time: 2 days

3. **Feature: Populate database with CSV data given by LIVE Lab**
   Assigned to: Komo
   Points: 2
   Estimated Time: 2 days

4. **Feature: Implement a basic main page that introduces the application**
   Assigned to: Yeon
   Points: 2
   Estimated Time: 2 days

5. **Feature: Create a basic search bar capable of retrieving data from the DB**
   Assigned to: Xiuyu
   Points: 3
   Estimated Time: 3 days

Links:

Deployed App: TBD
Github Repository: https://github.com/yeonchae62/LIVE
Project Management Page: https://www.pivotaltracker.com/n/projects/2690138
Slack: https://app.slack.com/client/T06GX5X8ZFT/C06GPUM5G76

Legacy Project: N/A