Game Review Web Application Requirements

Comp 495

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**Project Purpose**

The purpose of this project is to create a web application for people to write and share game reviews. This should provide users with the ability to find people with similar opinions on games with them to help them have better insight on whether they will enjoy a game.

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| **Functional Requirements** | | | | |
| **Number** | **Title** | **Description** | **Acceptance** | **Optional** |
| **Content Module** | | | | |
| C1 | View and Search Review | The website will allow users to view and search reviews posted to the website. | - Can view reviews  - Can search reviews by what user has written them | No |
| C2 | Post Review | The website will allow users to post new reviews. | -- Can write and post new reviews  -- Is prompted visually for what data is necessary to enter  -- Is informed of error from incorrect or missing data | No |
| C3 | Edit Review | The website will allow users to edit reviews that they have posted. | -- Can edit a review  -- Only original author of review can edit | No |
| C4 | Delete Review | The website will allow users to delete reviews that they have posted. | -- Can delete review  -- Only original author of review can delete | No |
| C5 | View and Search Games | The website will allow users to view and search the games posted to the website. | -- Can view games  -- Can see reviews written on a selected game  -- Can search games by title | No |
| C6 | View Profile | The website will allow users to view profiles | -- User can view their profile information  -- Can view profile of author of review | No |
| **Accounts Module** | | | | |
| A1 | Register | The website will allow new users to register for log in. | -- Unregistered users can create accounts | No |
| A2 | Login | The website will allow registered users to logged in. | -- Existing users can log in | No |
| A3 | Logout | The website will allow logged in users to log out. | -- Logged in users can log out | No |
| A4 | Edit Profile | The website will allow new users to edit their profiles | -- Logged in user can change profile data  -- Logged in user can add a profile picture  -- A profile can only be altered by the correct user when logged in | No |
| **Navigation Module** | | | | |
| N1 | Navigation | The website will allow users to navigate between the available pages. | -- Can navigate between the available pages | No |
| **Follower Module** | | | | |
| F1 | Follow | The website will allow users to follow other users. | -- Can follow other users  -- A logged in user’s profile page will display reviews from other users that they follow | Yes |
| F1 | Followed By | The website will allow users to view who they are following and who is following them. | -- A logged in user can view which and how many users are following | Yes |
| **Admin Module** | | | | |
| Adm1 | Manage | The website will allow admin accounts to login to the site to manage users, reviews, and games in the database. | -- Admin account can view and delete users  -- Admin account can view and delete reviews  -- Admin account can view, delete, and add games | Yes |

**Gap Statement**

Of the requirements that are listed above, all of the normal requirements except for the search functionality were completed. The search functionality for the reviews ended up not being useful since the intended purpose was to be able to search reviews based on the username that wrote the review. This was ultimately rendered useless since a user can just click on the username in the review view page, navigate to that user’s profile page, and see the reviews that that user has written on that page. For the search functionality dealing with the games, there wasn’t enough time to complete it. As the database currently stands, there are only 10 games so at this point the search functionality isn’t entirely necessary, but when the application gets to a production level release, then it will be important as there will likely be thousands of games contained within the database. Also, within the normal requirements the form validation exists, but is not as robust as it will likely need to be at production level, especially in terms of security risks such as SQL injection.

None of the optional requirements were completed as there was not enough time to include them within scope. Unfortunately, this means that the application does not currently have the ability to add games to the database as this was intended to be part of the functionality of the Admin module. This also means that the ability for users to follow each other has not been implemented. Finally, it is worth mentioning that the genre table turned out to not be used within the application, but it has the potential to be useful in the future for categorization purposes should the application/database grow as is intended.