**Code Review Criteria**

**General**

1. Does the code produce the intended results?
2. Is the code well-documented (comments) and easily understood?
3. Is the intended purpose of the code clear?
4. Is the code format consistent?
5. Do variable and function names follow the same conventions?
6. Are there any redundancies in the code?
7. Do loops terminate?
8. Is there any incomplete or commented-out code?
9. Are all forms of documentation updated to reflect requirements changes?
10. Are the sequence diagrams accurate? Did anything change concerning the functionality of the website?

**Security**

1. Are errors from third-party applications (Google Maps, Social Media, etc.) being caught?
2. Is input data being checked for proper format (length, data type, etc.) and encrypted?
3. Is invalid input data caught and handled?

**State and Parks Directory**

1. Does a completed search send you to the local park list?
2. Does clicking a location on the map create a pop-up summary of the area?
3. Does the pop-up summary contain a link that sends you to the local park list?
4. Are park locations sorted correctly?
5. Does each park title in the local park list link to that parks main page?
6. Is the class diagram updated to reflect the role of the directory?
7. Is there a use case diagram that appropriately summarizes the role of the directory?

**Pricing and Tickets**

1. Is the ticket purchase being handled securely?
2. Is invalid card information being handled?
3. Is the information for parks(each tickets) being displayed properly?
4. Are errors in the ticket scripts caught and handled?
5. Is the class diagram updated to reflect the ticketing process?

**Gallery**

1. Are users able to view the source of the photo?
2. Can users comment on or rate photos?
3. Can users submit their own photos to the Gallery?
4. Do the most popular/highest rated photos appear at the top of the gallery?

**Donations**

1. Is the donation tier purchase handled securely?
2. Is the amount of donations tiers displayed correctly?
3. Is it putting the right amounts in the cart for checkout?
4. Is the documentation appropriately updated to reflect the requirements change?

**User Profiles**

1. Does the user profile effectively display the user’s information?
2. Is the user able to connect to other users?
3. Is the user able to track the parks that they have visited?
4. Can the user share photos and other information about parks they’ve visited?
5. Does the user profile integrate with social media sites effectively?
6. Is the user able to view achievements they unlocked while playing the game at each park?
7. Is the user able to sign in/sign up with an email and password?

**Game**

1. Can the game be successfully deployed to the website?
2. Is the game functioning as intended?
3. Are the game assets successfully displayed in the game window?
4. Are errors in game scripts caught and handled?
5. Is the game viewable on each user’s profile?
6. Is the game instance specific to the user profile?
7. Can the user interact with the game on their profile?
8. Is the user the only one able to make changes to their specific game instance?
9. Is the relationship between the user and the game accurately reflected in the class diagram?

**Database**

1. Are the tables and relationships well managed in MySQL?
2. Can data be accessed and manipulated?
3. Is the database schema linked correctly for fast queries?
4. How are errors handled when inputting malformatted data?

**Code Evaluation Results**

*Results of evaluating each code review item.*

**General**

1. Does the code produce the intended results?
2. Is the code well-documented (comments) and easily understood?
   1. Code requires further internal documentation.
   2. Existing documentation is clear and concise.
3. Is the intended purpose of the code clear?
   1. Code requires further internal documentation.
4. Is the code format consistent?
   1. Code formatting is largely consistent in all areas of the website.
5. Do variable and function names follow the same conventions?
   1. Variables and functions do not currently follow the same conventions.
6. Are there any redundancies in the code?
   1. Some redundancies currently exist in website code.
7. Do loops terminate?
   1. Not all loops terminate at this time.
8. Is there any incomplete or commented-out code?
   1. Incomplete code exists for the homepage and contact us page is not yet viewable.
9. Are all forms of documentation updated to reflect requirements changes?
   1. Yes, class and use case diagrams are updated.
10. Are the sequence diagrams accurate? Did anything change concerning the functionality of the website?
    1. Sequence diagrams are accurate and reflect functionality of the website.

**Security**

1. Are errors from third-party applications (Google Maps, Social Media, etc.) being caught?
   1. Some errors from third-party applications remain to be caught.
2. Is input data being checked for proper format (length, data type, etc.) and encrypted?
   1. Not all data input is currently checked for proper formatting at this time.
3. Is invalid input data caught and handled?
   1. Not all invalid input data is caught at this time.

**State and Parks Directory**

1. Does a completed search sends you to the local park list?
   1. There is a link to the local park list for testing
   2. The desired function does not exist in the page’s current state
2. Does clicking a location on the map create a pop-up summary of the area?
   1. Mouse clicks currently have no function
   2. The desired function does not exist in the page’s current state
3. Does the pop-up summary contain a link that sends you to the local park list?
   1. Pop-up summaries do not currently exist
   2. The desired function does not exist in the page’s current state
4. Are park locations sorted correctly?
   1. There is currently no code to generate a list of park locations
   2. This also means there is no sorting algorithm for the non-existent list
5. Does each park title in the local park list link to that parks main page?
   1. The test case has a working link but does not currently link to a live page
      1. href=”#”
   2. There is currently no code to generate a working list of parks
   3. Still need to work out the logistics of handling individual park pages
      1. Referenced from Database or javascript array/list?
      2. If referenced from a Database how is google maps querying?
6. Is the class diagram updated to reflect the role of the directory?
   1. Yes, class diagram reflects that a weekly donor can be added and displayed.
7. Is there a use case diagram that appropriately summarizes the role of the directory?
   1. Yes, use case diagram is accurate and up to date.

**Pricing and Tickets**

1. Is the ticket purchase being handled securely?
2. Currently the tickets page hasn’t generated the state tickets to know for sure if it is being handled correctly.
3. Is invalid card information being handled?
4. This is going to be handled after we figure out the API on the cart page.
5. Is the information for parks(each tickets) being displayed properly?
6. Not all of the information is yet on the tickets page as we’re still trying to figure out how to connect the parks that actually sell tickets beforehand (as some parks are free).
7. Are errors in the ticket scripts caught and handled?
   1. All of the scripts so far are all caught and being handled
8. Is the class diagram updated to reflect the ticketing process?
   1. Yes, the class diagram has classes for tickets and it reflects the ticketing process.

**Gallery**

1. Are users able to view the source of the photo?
   1. Users are able to view the source of the photo.
2. Can users comment on or rate photos?
   1. Users cannot yet comment or rate photos.
3. Can users submit their own photos to the Gallery?
   1. Users cannot submit their own photos at this time.
4. Do the most popular/highest rated photos appear at the top of the gallery?
   1. The most popular photos are viewable at the top of the gallery.

**Donations**

1. Is the donation tier purchase handled securely?
   1. Ability to handle purchases securely is not supported at this time.
2. Is the amount of donations tiers displayed correctly?
   1. All of the donation tiers are currently viewable.
3. Is it putting the right amounts in the cart for checkout?
   1. Adding donations to the cart is not currently supported.
4. Is the documentation appropriately updated to reflect the requirements change?
   1. Yes, all documentation has been updated to reflect the requirements change.

**User Profiles**

1. Does the user profile effectively display the user’s information?
   1. User information successfully displayed.
2. Is the user able to connect to other users?
   1. User is currently unable to connect to other users.
3. Is the user able to track the parks that they have visited?
   1. User profile currently does not list parks visited.
4. Can the user share photos and other information about parks they’ve visited?
   1. User photo sharing has yet to be implemented.
5. Does the user profile integrate with social media sites effectively?
   1. User profile successfully integrates with Facebook.
   2. User profile is currently unable to connect to other social media sites.
6. Is the user able to view achievements they unlocked while playing the game at each park?
   1. User profile currently does not display user achievements.
7. Is the user able to sign in/sign up with an email and password?
   1. The user is not able to sign in/sign up through the homepage of the site.

**Game**

1. Can the game be successfully deployed to the website?
   1. Game-to-website deployment unsuccessful at this time.
2. Is the game functioning as intended?
   1. All game objects and internal game code function as intended at this time.
3. Are the game assets successfully displayed in the game window?
   1. Assigned visible game assets are successfully displayed in the game window.
4. Are errors in game scripts caught and handled?
   1. User permissions errors are not caught and handled at this time.
   2. Game object customization errors are not caught and handled at this time.
   3. Game launch errors are caught and handled.
5. Is the game viewable on each user’s profile?
   1. Game-to-website deployment unsuccessful at this time.
6. Is the game instance specific to the user profile?
   1. Game-to-website deployment unsuccessful at this time.
7. Can the user interact with the game on their profile?
   1. Game-to-website deployment unsuccessful at this time.
8. Is the user the only one able to make changes to their specific game instance?
   1. Game-to-website deployment unsuccessful at this time.
9. Is the relationship between the user and the game accurately reflected in the class diagram?
   1. Yes, the user object is able to reflect points that are obtained through the game.

**Database**

1. Are the tables and relationships well managed in MySQL?
   1. Tables and relationships are currently being developed; very early stages providing the database with primary keys and foreign keys for easy management.
2. Can data be accessed and manipulated?
   1. Not yet implemented.
3. Is the database schema linked correctly for fast queries?
   1. Not yet implemented.
4. How are errors handled when inputting malformatted data?
   1. Not yet implemented.

**Code Fix Assignments**

*List of code fix assignments based on code evaluation results.*

|  |  |
| --- | --- |
| **Group Member** | **Assigned Fixes** |
| Andrew Knickman | * Fix game-to-website deployment code in user profiles. * Add error handling in game code. * Add connectivity to SQL database for user permissions code. * Implement user achievement tracking. * Assist in user sign-in/sign-out. * Implement user permissions handling. |
| Ayja Weems | * Implement user connectivity. * Implement user park tracking. * Implement user photo sharing. * Make sure the profile is displayed correctly. * Provide connectivity with other required social media sites (see requirements). * Implement user sign-in/sign-out. |
| Jorge Brito | * User page linked to the gallery page does not function. * Users cannot comments or like photos in the main gallery page. * Fix the likes and the voting on the pictures. * Fix margins within the pictures to display all the photo information. * Give users the ability to submit their own photos. |
| Sundeep Singh | * Fix stripe integration * Fix cart & checkout discrepancies * Donation tiers are not connected to the cart * Add the new feature “Donation of the week”. |
| Greg Nikol | * Implement Google Maps scaling. |
| Rojaleen Chhetry | * Tickets page is not secured properly. * Information for parksand theirs tickets are not being displayed properly. * Parks have not been added. * Tickets are not linked to the cart. * States have not been listed to choose certain parks. * Figure out what parks actually need tickets(as not all parks do). * Pictures on the pages are not being displayed correctly. |
| Mary Martin | * Link homepage to the correct pages. * Give user the ability to view parks from the homepage. * Give user the ability to login from the homepage. * Give user the ability to view user profile from the homepage. * Give the user the ability to sign up from the homepage |