Kennesaw State University

College of Computing and Software Engineering (CCSE)  
 Department of Computer Science   
CS 4850, Senior Project, Section 03   
Planning Document

8/26/2022

## Project Planning

#### Overview

#### Kennesaw State University (KSU) has much artwork and landmarks throughout the Kennesaw and Marietta Campus. Most students may not know what artwork they may pass by or what the story behind it might be. With our mobile app, art will be located and documented; it will allow students and guests to learn about their environment. Allowing clients to request landmarks will keep the mobile app updated and allow a high level of interaction. For clarity, artwork and landmarks will be identified as “Points-of-interest” as this can include artwork, locations, and monuments. These Points-of-Interest need to meet a specific set of requirements to be considered for the database.

***Points-of-interests:***

* Must be a location, artwork, or Monument.
* Must be part of the Kennesaw State University Campuses (Kennesaw/Marietta).
* Must have a noticeable background a story behind its creation.
* Must be accessible to students to a certain degree (limits some indoor artwork).

#### Project Team

|  |  |  |  |
| --- | --- | --- | --- |
| Role | Name | Responsibilities | Contact |
| Team Leader | Sam Perez | Advising Team when Needed, Software Development, Documentation, Data Gathering, Point of Contact | [srperez0619@yahoo.com](mailto:srperez0619@yahoo.com)  7068768881 |
| Team Members | Andy Martinez-Reyes | Software Development, UI Planning and Development, Data Gathering | [Andy.m.reyes514@gmail.com](mailto:Andy.m.reyes514@gmail.com)  661-513-7901 |
|  | Steven Holmes | UI Planning and Development, QA | [sholmes9461@gmail.com](mailto:sholmes9461@gmail.com)  706-659-5557 |
|  | Shawn Villacorta | Documentation, UI Planning and Development, Data Gathering | [shawnv.villacorta@gmail.com](mailto:shawnv.villacorta@gmail.com)  678-665-0458 |
|  | Juan Tapia | Software Development, QA, Security | [malevolent\_juan@yahoo.com](mailto:malevolent_juan@yahoo.com)  404-808-8603 |
| Advisor | Sharon Perry | Facilitate project progress.  advise on project planning  and management. | Sperry46 in D2L !! |

#### Project Website

#### https://srperez0619.github.io/Senior-Project/index.html

#### Final Deliverables

#### An Artwork Map Compatible with Android and iOS.

1. Software Development Documentation
2. Tutorial Documentation
3. Work Hours Chart
4. Progress Timeline

#### Phase 1 Requirements - Mandatory

#### Create a map with interest point locations

1. User login or account creation page
2. Add location on the map

#### Phase 2 Requirements – Optional

#### Format the UI

1. Add a pop-up tab for description

#### Future Meetings

With respect to all members’ availability, we have tentative schedules posted for these date and times. These are subjected to change when necessary.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Date** | **Time** |  | **Sprint** | **Date** | **Time** |
| Sprint 1 | 8/29/22 | 6:30pm-8:00pm |  |  | 11/2/22 | 6:30pm-8:00pm |
| Sprint 2 | 9/21/22 | 6:30pm-8:00pm |  | Sprint 4 | 11/16/22 | 6:30pm-8:00pm |
|  | 10/5/22 | 6:30pm-8:00pm |  | (CDAY) | 11/20/22 | 6:30pm-8:00pm |
| Sprint 3 | 10/19/22 | 6:30pm-8:00pm |  |  |  |  |

#### 

#### Communication/Collaboration Plan

#### The communication tools we will utilize are Groupme for group messaging, phone numbers for emergency contacting, Discord for team meetings, Email for formal communication.

#### The collaboration tools we will utilize are Github for a shared code repository to upload and pull code, Discord can be collaboration meetings, and Expo for coding with Github compatibility. The Project Lead, Sam, will conduct bi-weekly meetings for updates and task assignments. She will also facilitate any communication between the advisor and the team.

#### Gantt Chart

#### Please refer to the Progress Estimation chart for a visual on the following task estimations.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Phase One | Phase Two | Phase Three | Nice To Haves | Constant |

|  |  |  |  |
| --- | --- | --- | --- |
| Task | Assignee | Start | End |
| Retrieve Art Interest Points | Sam/Shawn | 9/5/2022 | 9/16/22 |
| Create Mock Map UI | Steven/Shawn | 8/28/22 | 9/14/22 |
| Create Map Template | Juan/Andy/Sam | 9/8/22 | 9/30/22 |
| Create Map Functionalities | Juan/Andy/Sam | 9/21/22 | 11/4/22 |
| Create Database for Interest Points | Juan/Andy | 9/5/22 | 9/16/22 |
| Add Interest Points to Map | Juan/Andy/Sam | 10/24/22 | 11/10/22 |
| Create Mock Login | Shawn/Steven/Andy | 8/29/22 | 9/20/22 |
| Create Interactive Login Page | Shawn/Steven/Andy/Juan | 9/12/22 | 10/7/22 |
| Include Security System | Juan and Co | 8/29/22 | 11/4/22 |
| Put Login/Account Bubble on Map | Steven/ Juan and Co | 9/26/22 | 101/14/22 |
| Include Interest Point Suggestions | Steven/Andy | 9/26/22 | 10/21/22 |
| Create Icons for Interest Points | Steven/Shawn/Andy | 9/29/22 | 10/5/22 |
| Add Icons to Map | Steven/Shawn/Andy | 9/3/22 | 9/10/22 |
| Create Intractability to Points | Andy/Juan/Steven | 10/11/22 | 10/19/22 |
| Test Suggested Point Addition | Juan/Shawn | 10/20/22 | 10/21/22 |
| Integrated Details Page | Steven/Shawn/Sam | 11/7/22 | 11/18/22 |
| Automation | Juan/Andy/Sam | 10/31/22 | 12/1/22 |
| Scroll Style Detail Page | Steven/Andy/Juan | 10/24/22 | 11/4/22 |
| Custom Logo | Steven | 8/29/22 | 9/9/22 |
| Testing | Juan/Shawn/Andy | 10/19/22 | 11/29/22 |
| Documentation | Sam/Andy/Shawn | 8/29/2022 10/31/22 | 9/20/22 12/1/22 |
| Website Building | Shawn/Steven | 8/29/22 | 9/9/22 |

#### Risk Assessment

Potential Delays

* API Implementation
  + Create a guide of the set up and software requirements.
  + Examine issues and debug to understand issues.
* Network availability
* Teammate(s) unavailability
  + In case of Teammates unavailability, the team will confront member and discuss workable solutions and whether the teammate can continue working with the team.
* Data Security
* Kennesaw Campus information

If any significant delays occur the project plan will adapt accordingly. If constant delays occur a meeting will be held to get the project back on track.