

# **Kennesaw State University**

College of Computing and Software Engineering (CCSE)  
Department of Computer Science

CS 4850

**Senior Project**

Section 03

SP 7

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**Planning Document**

September 24, 2022

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## Project Planning

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### 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).

### Phase 1 Requirements - Mandatory

1. Retrieve interest points
2. Create prototype
3. Create map UI
4. Create map functionalities
5. Create interest points database
6. Add interest points to map
7. Create interactive login page
8. Create security system
9. Add login option on the map
10. Include interest point addition functionality
11. Test map functionalities
12. Add map icons

### Phase 2 Requirements – Optional

1. Format the UI
2. Add a pop-up tab for description
3. Monetization

### Final Deliverables

Deliverable 1.	An Interest Point Mobile App
Deliverable 2.	Software Development Documentation
Deliverable 3.	Tutorial Documentation
Deliverable 4.	Work Hours Chart
Deliverable 5.	Progress Timeline

### Project Website

<https://srperez0619.github.io/Senior-Project>

### Project Team

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

### 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 1	8/29/22	6:30pm-8:00pm
Sprint 2	9/21/22	6:30pm-8:00pm
	10/5/22	6:30pm-8:00pm
Sprint 3	10/19/22	6:30pm-8:00pm

Sprint	Date	Time
	11/2/22	6:30pm-8:00pm
Sprint 4	11/16/22	6:30pm-8:00pm
(CDAY)	11/20/22	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.

### 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.

### Gantt Chart

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

Phase One	Phase Two	Constant
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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	10/14/22
Include Interest Point Suggestions	Steven/Andy	9/26/22	10/21/22
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

Create Icons for Interest Points	Steven/Shawn/Andy	9/29/22	10/5/22
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

\*\*Actual Gantt Chart Located on the Following Page

## SP 7

Mon, 8/29/2022

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Hours