First semester

- length: at least 2 pages (single-spaced, 12-pt font, 1-in margins)
- content:
    1. Project title
        - FIT History Tours
    2. Names and email addresses of team members (CSE members first--this is a plan for the CSE contribution)
        - Tyler Zars, tzars2019@my.fit.edu
        - Grant Butler, gbutler2020@my.fit.edu
        - Cameron Miskell, cmiskell2020@my.fit.edu
        - Matt Tokarski, mtokarski2018@my.fit.edu
    3. Faculty advisor from CSE: name and email address
        - Dr. Fitzroy Nembhard: fnembhard@fit.edu
    4. Client: name and affiliation
        - Ryan Stansifer (Florida Institute of Technology)
    5. Date(s) of Meeting(s) with the Client for developing this Plan:
        - Thursday, Sep 1, 2022
        -
    6. Goal and motivation: Discuss the overall goal (help make the intended users "happier") and motivation (why are the intended users not too "happy"? limitations/pains of current systems)

Goal: To provide users with a mobile suite for navigating the Florida Tech campus while engaging them with historical content: photos, videos, trivia, etc. such that the campus experience is memorable and educational.

Motivation: Currently, campus tours provide information about the purpose of each area/building but do not establish connections with the visitors and prospective students, leaving participants detached and easily forgetting the layout of the university. By providing historical information, this project seeks to establish at least a single point of connection with each point of interest, both entertaining and solidifying the memory of where to find a given resource at Florida Tech.

    7. Approach (key features of the system): Discuss at least three key features/functionalities that your system provides for the users to help achieve the overall goal.
    (what features does your system have that can help make the intended users "happier"?)
    (at least one paragraph for each feature, more specific less vague) [e.g. Similar to app descriptions at Google Play, **NOT** the underlying tools]
    For interdisciplinary/external projects: focus on (identify) separate CSE features/contributions

Feature #1: ~~GPS-Guided Tours~~: Explore the beautiful campus of Florida Tech at your own pace with our guided walking tours, housed completely within the app! Navigate to your desired point of interest with ease as the GPS shows which paths to take in real-time! Take the scenic route with the "Sightseeing" option, or arrive in no time with the "Fast Travel" option.

Feature #2: Virtual Tours: Discover the landmarks and history of Florida Tech without setting foot on campus! Select locations on the map to see an image/video with narration about each place!

Feature #3: ~~Themed Tours~~: Want to hear about specific aspects of Florida Tech's history? Have a deeper interest in the past presidents of our university? With our themed tours, get a more focused experience that shows you the most relevant buildings and history related to the topic you select. Trivia and mini-games will also be tailored to each individual subject area.

8. Novel features/functionalities: Discuss which features/functionalities, if any, are novel and why.

Active timeline that appears during a tour when a history "event" is triggered, visually scrolling backwards from the current year to the date of the past event. Used as an indication that a mini-game or trivia section is about to begin.

9. Technical Challenges: Discuss three main CSE-related challenges (for example, "we plan to use javascript for web programming, but we don't know much about javascript")

Challenge #1: Mobile App development/deployment

Challenge #2: Learn JavaScript/Choose Framework

Challenge #3: Applying the Software Development paradigms taught in previous semesters to one large project.

10. Milestone 1 (Oct 3): itemized tasks:
    - Select and Learn a JS Framework for Development
    - Select and Learn a Mobile Development Toolkit for iOS/Android
    - Begin to Collect Historical Research and Images for the Application
    - Create UI Mock-Ups and Get Client Feedback
    - Create Requirement Document
    - Verify and Validate Requirements
    - Create Design Document
    - Create Test Plan
11. Milestone 2 (Oct 31): itemized tasks:
    - Implement and Deploy Basic Web App/Mobile App
    - Choose GPS/Location Framework

■ Build Out Historical Database
12. Milestone 3 (Nov 28): itemized tasks:
■ Develop UI Further
■ Implement Timeline
■ Test GPS Popup On Arrival at a Location
■ Validate Historical Database into Application Timeline
13. Task matrix for Milestone 1 (teams with more than one person)

Task	Grant	Tyler	Matthew	Cameron
Select and Learn a JS Framework	25	25	25	25
Select and Learn Mobile Development Toolkit	55	15	15	15
Develop UI Mockups				
Compare and select Collaboration Tools				
Requirement Document	write 15%	write 15%	write 15%	Write 55%
Design Document	write 25%	write 25%	write 50%	
Test Plan	write 25%	write 50%	write 25%	

14. Approval from Faculty Advisor
■ "I have discussed with the team and approve this project plan. I will evaluate the progress and assign a grade for each of the three milestones."
■ Signature: _____ Date: _____