

Suman Bhanerjee/ CS 407

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Mobile App Project Proposal

Group Members

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Title

Town of Pepin. The name should not be ambiguous as it is an information application that will be maintained by the town.

Introduce your App

For our project, we have decided to construct a mobile application for the Wisconsin Town of Pepin. The main objective of the application will be providing background information for different sections of the village, depending on the geographic location of the user. The user should be able to be at different landmarks of the city, and the app should provide information about the nearest landmarks. The town should be able to easily add different landmarks of their choosing after completing the application and adjust their chosen tour route.

The city of Pepin needs a tour app, and personally requested this app to be completed. The natural user of the app will be the visitors of Pepin, who can walk through the city and report nearby landmarks as they approach them. The tourists of Pepin should be able to find the app useful in exploring the city.

Your Competition

There are many tour applications already created, but none that are specifically created for the Town of Pepin. We have not used any other tour apps, but we will research other implementations of other tour apps, and use those ideas in the Town of Pepin tour application.

Main Modules of your App

For tracking geographic locations of town landmarks, the use of a google maps API would be necessary and would provide vital information on GPS coordinates and landmarks. We also need to implement a database, to be able to store landmarks and other tour information that the city wants to provide.

Mobile "Innovation"

This mobile application has advantages over a traditional desktop application, by tracking the coordinates of its users in relation to town landmarks. As the user carries themselves through the tour routes and the city, the application should keep updating their locations as they use the app.

Testing

To be able to test the app GUI, we will need to test with varieties of devices to make sure the GUI fits the devices. It should be able to fit and be useable on all Android devices with 3G/LTE. Also, we can possibly test the application with locations in Madison, before adding locations in Pepin to be tested in the city. We just need 1 android device to test this aspect of the application.