CS 4720 - S18 - Final Project Proposal

Device Name: Samsung S8+   Platform: Android

Name: Bhadra Chembukave   Computing ID: bhc9av

Name: Kevin Vellanki   Computing ID: kbv2fx

App Name: WUVA News

Project Description:

We plan to make an app for WUVA news. As CavDaily slacks with real-time content and newer forms of media like video, WUVA (traditionally a radio station) is gaining in popularity. While they have a nice website, it does not scale well for mobile usage. By implementing a nice UI with large images and article previews, we plan to make the experience much richer and more engaging. In addition, users will be able to get real-time updates in dangerous situations, and sync articles for offline reading.

What we propose to do is create an app that will do the following:

- The system shall allow users to view current articles and videos in a few different layout styles, according to preferences and device orientation
- The system shall open articles in a "reading mode," with images loading inline. Should use a user-specified font.
- The system shall indicate whether or not a user has already read a post by greying out previews and allow user to hide such articles.
- The system shall implement dark theme and other customization options, like color schemes.
- The system shall use the intent system to open videos in the user's player of choice
- The system shall implement commenting on articles
- The system shall have options for notifications for emergency alerts and will utilize GPS location services to show how close user is to the event that occurred.

We plan to incorporate the following features:

- GPS – User will be able to see how close an event is to their location
- Consume a pre-built web service – Our app will consume WUVA API and load stories
- Data storage – Will be used for storing and loading news articles and images
- Camera – The app will allow users to add photos to comments on posts
- Open shared activity/features – The app will open YouTube and Facebook videos and allow for sharing articles to social media