

# CS 4720 - F17 - Final Project Proposal

Device Name: SUNFLORA

Platform: Android

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App Name: Food Truck Finder

## Project Description:

Our app, Food Truck Finder, will provide a central place for UVa students and Charlottesville residents to share and find information about local food trucks. For customers, food trucks can often be hard to locate, and in most cases, information such as operating hours, menus, and contact information can be hard to find. For food truck operators, creating and maintaining a web presence to post such information can be time consuming and costly.

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

- The system shall allow a user to find new food trucks currently open nearby;
- The system shall allow a user to upload information about new food trucks such as GPS location, operating hours, and type of cuisine;
- The system shall allow a user to verify food truck information uploaded by other users;
- The system shall allow a user to search for nearby food trucks based on name, cuisine, location, and hours;
- The system shall allow a user to see a map view of nearby food trucks;
- The system shall allow a user to see a list of nearby food trucks; and,
- The system shall allow a food truck operator to verify and edit food truck details.

We plan to incorporate the following features:

- Camera - A user can take a picture of a food truck and the food served.
- Build and consume your own web service using a third-party platform - We will use Firebase as our database backend for the system.
- (optional) Consume a pre-built web service - We will incorporate rating info from 3rd-party websites (Yelp, TripAdvisor, etc.)

- User-generated reviews - A user can leave a thumbs up/thumbs down review of a food truck
- GPS location - A user can mark locations of newly found food trucks using GPS
- Map - see pins of nearby food trucks