CSC 4350-Software Eng-CTW

Team 1 Meeting | Wed. 11/9/22

Food Oasis

**Deliverables**

**User Requirements:**

*Food Supplier*

1. As a food supplier, I would like to have an account to manage my shop/s.
2. As a food supplier, I would like to add a shop to the platform, edit or check out my shop in the platform.
3. As a food supplier, I would like to have my contact available for clients to reach out to me.

*Clients*

1. As an end-user, I would like to see all food shops close to my current GPS location.
2. As an end-user, I would like to see all food shops in a particular area.
3. As an end-user, I would like to search for food shops selling a category of food.
4. As an end-user, I would like to get directions to a shop I have selected on the platform.

**System Requirements:**

1. Loosely coupled system.
2. Strongly use facade pattern to enhance modularity.
3. Logging system for keeping track of operational issues.
4. Server-side must be accessible 24/7 by Android app.
5. Server-side must have an API documentation.
6. System should utilize caching of requests to speed up response times.
7. Increase security by making access token expiration time to 5 mins.

**Risk Identification**

1. Heroku siezes free hosting starting on 11/28/2022.
2. Timeline for project completion may have been underestimated.
3. Assumption that authentication web service integrates smoothly.
4. Limited experience in Android app development

**Risk Analysis**

1. Limited experience in Android app development.
2. Assumption that the authentication web service integrates smoothly.
3. Timeline for project completion may have been underestimated.
4. Heroku siezes free hosting starting on 11/28/2022.

**Risk Planning (Mitigation)**

1. Containerize backend service with docker.
2. Use web service for authentication to reduce time for project.
3. Authentication web service was created by one of the team member, thus we have full access and control.
4. Use static web page in-place of android application as a result of steep learning curve.

**Risk Monitoring**

1. Periodically run tests on authentication web service.
2. Regularly check Heroku related news updates pertaining to upcoming price changes.