**Software Requirements and Design Document**

**For**

**Group <**20**>**

Version 1.0

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# Overview (5 points)

We are developing a website application called YUPP that uses a google maps API to display local restaurants or fast-food promotions, along with a comprehensive savings comparison between each location. Users will be able to search for deals by cuisine, such as ‘Mexican’ or food type, such as ‘Tacos’, and restaurants with the best deal will be displayed first. Locations closest to the user will also be displayed before locations that are further away, even if both places are within the user’s area code.

If we have time, we want to try to be able to prompt users to sign up, sign-in, or to continue as a guest.

We also want to allow the user to input reviews on each restaurant sale and to be able to input a sale they discovered that was not already on the app. We believe this will be useful for limited time offers and small business owners that want to alert the public about their sale.

# Functional Requirements (10 points)

Organized from Highest to Lowest Priority:

1. Communicate with Places API to pull restaurant information (address, reviews, etc.)
2. Utilize Google API to display nearby places on map
3. Match deals with restaurants and display “deal cards” to user
4. Functional Navbar that takes users to the corresponding page they select.
5. Search Bar for nearby restaurants. User can search by restaurant name or cuisine.
6. Display distances, time to get there
7. User Log in/sign up page allowing the user to create an account.
8. User can input their own deals.

# Non-functional Requirements (10 points)

Organized from highest to lowest priority:

1. Media queries for page scaling on different screens and a good user experience
2. Ensure images used are not too big in memory to maintain efficiency of webpage loading
3. Security of user authentication for log in

# Use Case Diagram (10 points)

Not applicable to this increment.

# Class Diagram and/or Sequence Diagrams (15 points)

Not applicable to this increment.

# Operating Environment (5 points)

* Microsoft Windows OS, Apple IOS

# Assumptions and Dependencies (5 points)

-We may re-use Michael’s login/sign-up page from one of his personal projects.