

John Davis, Zachary Horine, Michael Huang, Thomas Korsness
CS340 - Introduction to Databases
Final Project Proposal
April 28th, 2019

1. **Description:** This web application is to be used by Oregon State University students and small business owners. Students can access reviews of local restaurants and write their own. This builds on the idea of Yelp because students can review single menu items. Owners can also log on and respond to reviews on their restaurant and find ways to improve. Both parties can see local reviews and search for the best dining options.
2. **Tables:** Restaurants, Students, Menu Items, Owners, Restaurant Reviews, Item Reviews
3. **Requirements:**
 - a. Students can register with their student ID # and email address
 - b. Owners can register with their restaurants address and email address
 - c. Restaurants are displayed in order of highest ranking
 - d. Restaurants can be filtered based on various restaurant attributes
 - e. Students can write reviews on specific restaurants
 - f. Students can write reviews on specific menu items
 - g. Once a restaurant is clicked on the three best and three worst menu items are displayed
4. **Rules:**
 - a. Students can only register a single account
 - b. Students can only review a restaurant once
 - c. Students can edit their restaurant reviews
 - d. Students can review multiple different menu items at a restaurant
 - e. Owners can only respond to student reviews about the restaurant
 - f. Each restaurant can only have one owner
 - g. There can only be a single restaurant at any given location
 - h. Only restaurants in Corvallis are considered
 - i. You must be signed in to write a review
 - j. You do not have to be signed in to read reviews