411 – Assignment 1

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**Idea 1**

A food finding web app that uses *Spoonacular* – a recipe API, *OpenTable* API, Google’s *Cloud Speech* API. The main idea is that an user will either enter or speak a short phrase, specifying what they want to eat. If speech was used, it will be processed through the Speech API and turned into text. The text is then used to query Spoonacular for recipes and OpenTable for restaurants. A split screen of recipes and restaurants will be shown for the user to choose. The options can be added to the user’s account in their history or favorited for future access. At first look, the user will login through Facebook/OAuth. This will bring them to a query page and then a results page when done.

**Idea 2**

A music exploration web app that uses *Spotify* API and *Affectiva* emotion media processing API to analyze your emotions while a song is playing. This is meant for normal circumstances (ex. not studying for a hard exam) so it can determine your reactions accurately. If the reaction is positive, it can add it to your playlist made by the app. Otherwise, it will skip that song when it detects a negative emotion. Spotify login can be done either through a Spotify account or Facebook account for the authentication. A user database will be used to store the playlists for the user and preferences for relogin. This is supposed to make finding music much automated and easier.