1. Basic Information
    a. names of team members
        Fanxing Meng
        Yanfeng Zhou
    b. name of your app
        Delishow
2. Write a half-page description of the app addressing the following points:
    a. motivation and philosophy behind your idea
    People are connected in various ways since they may share the same interests or hobbies. However, they are seldom connected by the food they favour. Our application aims at addressing this unmet demand by connecting people according to their preferences in specific dishes. We believe that as eating plays an important role in everyone's life, enormous amount of data can be extracted from the pattern of eating behavior via the food journaling app. These data can be used to identify people with high similarity in what they like to eat. Each person's preference can then act as highly trusted guides or recommendations to people with similar taste, enhancing everyone's experience in finding good dishes anytime, anywhere.
    b. most closely related apps/technologies (compare and contrast)
    Foodmento and foodspotting, both features listing not by restaurant but by dish. However... //TODO

3. Briefly explain (one short paragraph per point) how your project will fulfill the minimum entry requirements described in Lecture 1:
    a. user accounts/management
    Users do not need to provide a username and password to log in. Instead, they can log in with any one of their social network (facebook, twitter, instagram, etc.). Each user has a nickname which is not necessarily unique. Users can invite their friends on social network to join. Users can follow other users or add as friends on this app, and can view the photos of their friends and themselves. Each user has a profile page which can be viewed by every user. All users belong to either normal users or epicures.

    b. native app on Android or iOS
    Android. Because neither of us feels confident in developing iOS applications, even though iOS has better UI elements and design workflow.

    c. meal description/metadata logging with date/time stamp
    Each time a user shares a photo with the app, a date/time stamp is generated and tagged with the picture. Users are required to choose the restaurant from the map and the name of the dish from the menu provided and rate the dish at the same time in order to complete the sharing. Users are welcome to write a description when sharing photos. The restaurant's id, name of the dish, rating score, description and the user's id are also tagged with the picture.

d. photo capture/storage
We will call the system's camera to take pictures and first store it in the user's default album. The edited picture will then be uploaded to the server for other users to retrieve.

e. thumbnailing/image manipulations
Thumbnails will be automatically generated when a picture is taken and cropped. We may use other photo editing apps to do some editing work via APIs.

f. at least one service (in the sense of SOA)
//TODO

g. rudimentary web presence
We will be building a simple Wordpress or Joomla site to show the usage of the app. If time permits, the website can also be upgraded to support all the functionalities of the app.

h. basic API for data export
The data export API will handle data I/O in JSON format, enabling both uploading and retrieving dish data.

i. integration with 3rd party API
We will use a number of 3rd party APIs, such as social network account login, map with restaurant information, etc.

4. Deep Dives

a. Write a half-page description of how you plan to go beyond the minimum entry requirements, describing the modern web technologies or other advanced ideas you will apply in your project.
Users can follow other users or add as friends on this app. Meanwhile, the system will offer friend recommendation according to the similarity of taste. Each time a user shares a photo, he or she is required to rate the dish. Users can tick "like" or "dislike" upon their friends' photos. The preference of a user can be identified by looking up the rating and "like" "dislike" history. A ranking list will be created for each user from most favoured dish to least favoured one. Some rudimentary pattern matching algorithm will be applied on lists of all users to identify similarities. The system will also recommend "epicures" to normal users. "epicures" are those users who are actually professional epicures. Besides uploading and sharing photos, they write articles to comment on restaurants and dishes. Recommendation of "epicures" are based on how "active" the epicure is in the past ten days and also the number of followers. The activeness is determined by the number of photos uploaded and the number of articles written.

5. Milestones

a. Four to six milestones

1. Build the backbone structure of the app
2. Manage user and food data on both app and server
3. Deal with camera, image processing, and map APIs
4. Complete minimal entry requirement
5. Work on social network sharing and user recommendation

b. Deadlines to achieve milestones

Oct 1: Build basic structure
Oct 6: Manage user and food data
Oct 13: Works with camera, image, map
Oct 15: Achieve minimum entry requirement
Nov 15: Enable sharing and recommendation
Dec 15: Finish beta test of both app and website

c. Division of labor between team members

Both will do as much as possible and each taking similar amount of tasks. Specific topics will be divided upon doing.

d. It is your team's responsibility to check-in with the TAs during office hours or Piazza to provide updates on your milestones.
Updates will be sent to TAs by email or posted to Piazza if there is a dedicated post for this purpose.

6. In your repository, commit your proposal drafts at the top level of the repository as either a PDF or Markdown file.

a. Email the TAs (haa052, jlf248) once you've committed a draft.
b. Adhere to the due dates for the proposal drafts at the top of this page.