**CS639 Summer I 2019**

**Project: Yummy Cooking**

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1. **What is/are the problem/s you want to solve? Please provide background based on research.**

With the first few months of living away from home, most of us find that splitting our meals between the campus dining hall and local fast food joints is not going to cut it for the next two (or more) years. Especially for the international students who did not cook at home before, cooking is a big challenge for many of my friends and me to handle a whole day meal when we live alone.

In order to solve this problem, we decide to create an app named “Yummy Cooking.”

Yummy Cooking can guide cook-beginner to prepare a yummy meal.

There are various problems which are faced by cook beginners like What meal should I cook ? How to cook it ? what cookers and materials I need? where to buy the raw materials? What is the estimated cost for a meal?

So The “Yummy Cooking” will guide the cook-beginner step by step to prepare a good meal.

Before developing the app we have gone through few popular apps like NYT cooking, SoYummy and Learn to cook.

1. **Who are the users you are targeting? Please use a Persona to describe your users and draw a picture of your target user.**

Our app target users are the student cook-beginners who live in New York.

For example, the cook solution is for a Chinese student Young, young doesn’t have cook experience. But he wants to make homemade meal to lower his living budget during studying in New York City. So he would love to use the “Yummy Cooking” to plan his meal.

1. **What are the major features of the solution? List the features.**

The feature of the app:

1. Recommendation of Recipes.
2. It provides the food picture, cooking time, estimated cost and serving for the specific meal.
3. It also provides a purchase location of need raw materials on the google map.
4. Click the food picture you want to make, it directs to the cooking detail page.

The page includes:

* Meal description
* Materials & Items
* Purchase location
* Steps
* Share the recipes

1. **How is this solution unique? How does it relate to existing solutions on the market? What are 5 solutions similar or related to what you want to do in the Google Play Store. Do the research and know that you are probably not reinventing the wheel!**

After going through few similar cooking apps, we found that they provide online purchase of raw materials. That means you can get raw materials couple days after. But for the group of people don’t want to wait for so long, we provide the solutions is that show the any possible purchase location nearby to help them get raw materials immediately.

1. **What technologies, APIs etc will you be using to develop this solution? Provide links and explanations.**

We use android studio to develop the app. The min SDK19 and target SDK 28.