

# *Application Design Document*

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**Application: CuisineNation**

- **Section 1: Focus on IT Developer**

- CuisineNation is an application where we can view and add items of various cuisines in a TableView along with more information like cuisine type, cuisine country, and also its calories. We also use the MapKit to view various countries mentioned in the application.
- All the Technical Components of the app are explained below.
  - The App starts with a TableViewController which displays the Dishes that are already enlisted previously. We use the UINavigationController to move across various screens like Add Dish screen and Map screen.
  - In the Add Dish Screen you will see that we have four labels and four text views respectively, they are used to get user input data about the dishes user wants to add.
  - We have a button called Add Dish in this screen in which we use OnClick functionality to trigger the action and add the dish to the table view.
  - We are also using the Mapkit functionality for the user to be able to search for various countries for the cuisines that are enlisted.

- Technical Challenges faced:

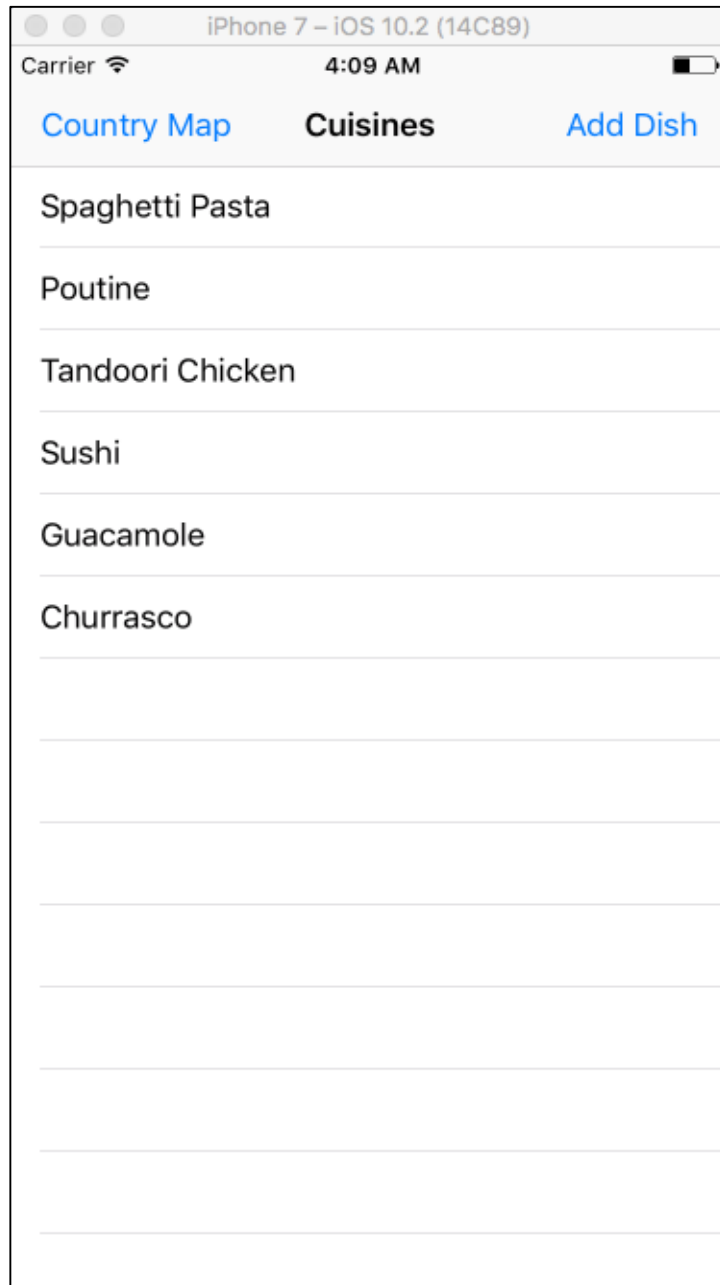
Challenges are part of every project and this one is no different. There were multiple challenges I had to face during this project and some of them are as following.

- Integrating the Mapkit with the application was really a challenge in this project.
- Also, I faced many difficulties with the Core Data functionality of the Xcode.
- Getting the Navigation flow together was also quite challenging part of the project.
- I also tried to display the image of the dish along with its name, Xcode also provides a functionality where we can display the thumbnail in the listview, however displaying a small thumbnail did not make the app look clean hence I had to drop that idea all together.

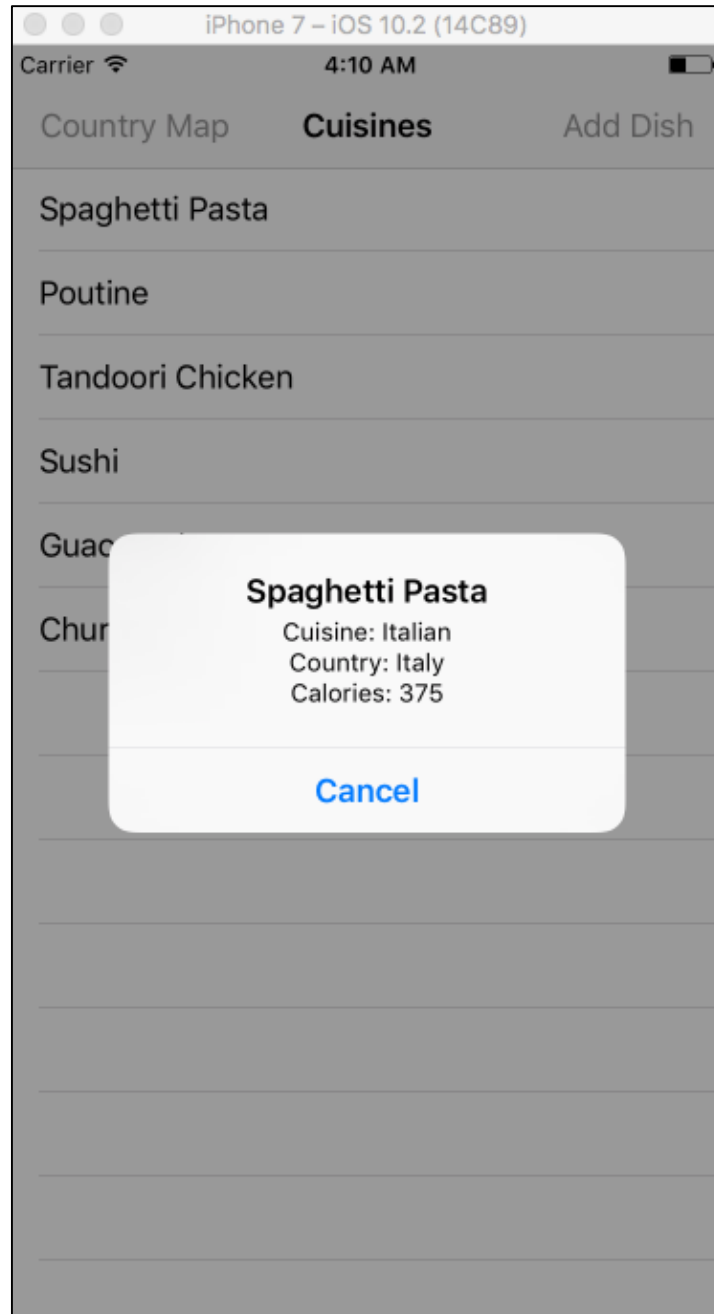
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- **Section 2: Focus on Final User**

## **Using the Application:**



**1. This is the Home screen of the application where you can see various dishes from different Cuisines.**



**2. If you Touch and Hold the Cuisine Dish you like, you will see more information like Cuisine Type, Cuisine Country and the number of Calories in that dish.**



**3. If you click the Country map on the top left corner of the app, you will see the World Map. You will be able to search for the countries of your favourite cuisines.**

iPhone 7 – iOS 10.2 (14C89)

Carrier 4:11 AM

< Cuisines

Dish Name: Eg: Pasta

Cuisine Name: Eg: Italian

Country: Eg: Italy

Calories Eg: 450 Cal

Add Dish

**4. If you want to add any other of your favourite dishes from various cuisines you can use the Add Dish function. You can enter the name, cuisine type, country and also the calories. After entering all the information click on Add Dish button to add it to the Home Screen.**