



FINAL YEAR PROJECT (COMP1682)

## HOME CATERING SERVICE- “HOME KITCHEN”

### PROJECT PROPOSAL

***Submitted to:***

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Deadline Date: May 1, 2021

### **Project Resource links**

System link: <https://github.com/tanvir1000879/homekitchen.git>

Screencast link:

<https://drive.google.com/drive/folders/176lg13WDdw5UY4CauPSDkyXs3s76nX9H?usp=sharing>

# **Proposal**

## **Introduction**

For countries like Bangladesh, India, Pakistan there are a huge number of housewives, mothers who can cook quality foods and have great cooking skill. These talents are not valued and recognized. But with this application now after looking after their family, in their spare time they can cook and have a source of income with which they can support themselves and their family. The unemployed people can also take this as a supportive job. On the other hand, there are people who don't like restaurant food or prefer homemade food over those fancy recipes. They will have the opportunity to choose their preferences over this application. At the same time, bachelors and students in crisis time can order food with efficiency anytime from here. They can get any homemade food from the local chefs anytime. So, the target users of this system will be the housewives who can cook various foods and have none or little amount of source of income. (Farida Akhter, 1996) Then the people who doesn't have a job but have cooking skills can also use this platform for their benefit will be a user here. After that, people who prefer homemade food over restaurant foods will be the main customer of this system. Last but not least, people who need sufficient food in crucial moment at reasonable price can use this. For example, students in hostel sometimes don't get proper food service.

## Aim

The aim of this project is to make a homemade food service with a safe and effective environment where homemade food which are mostly cooked by housewives will be prepared and delivered to the homemade food loving customers or to the customers who seek for efficiency. This catering service should help the economy, bring opportunities to the homemade food loving people and the people in crisis who needs food supply in critical situation. There are a small number of solutions available out there who work on this concept but they do not offer a lot of choices and this project aims to solve those problems.

## Objectives

**Objective 1:** Here the product will be researched and proper users for this application will be listed by researching. And the requirements for this project to be successful will be *analyzed* by the users' need.

**Objective 2:** Here in a literature review the similar kind of services out there in the market will be found out and this field will be *researched* from various publications.

**Objective 3:** In this step the system will get a user-friendly UI and Ux *design* to make it look easier to use and to make it more meaningful to its purpose.

**Objective 4:** After all these preparations, the actual dynamic coding will be started to develop the system and the database of the project and bring life into it.

**Objective 5:** The system will be tested carefully to find out errors and bugs also with security testing. And then the evaluation will be done.

**Objective 6:** Preparing a complete report with all the analyzes and described information about the project. This report will also show the steps of building this project.

Objectives	Method	Deliverable	Duration
Objective 1	Brain storming, observation	Problem research report, Analysis report	7 days
Objective 2	Case study, literature review	Informative research report,	8 days
Objective 3	Survey, Brain storming, mind mapping	Easy to use Interface	10 days
Objective 4	Agile, SDLC	Well-developed system	15 days
Objective 5	Agile	Test reports and least bug issues	35 days
Objective 6	Agile	Complete Report	15 days

## Research Approach

Without proper research any plan is a failure so some research approaches will be followed to meet the ultimate goal about this project. Also, I shall follow DSDM (Dynamic System Development Method) to keep the project development in a regulated process to make it successful.

To get the best possible knowledge about how the application should process, I will do some surveys about feasibility of the chefs to serve other people and how the customers should get their desired homemade food on their table. It will also require explanatory study to get the idea about the core of the whole scenario. (Emma Bell, 2018)

Literature review will help me to understand the market value and market status of homemade food service in this country. It will help me to know other services of this field. And this type of research will make my project much more reasonable and unique. Methodological study will also help to improve the new ideas in the plan. It will also help my understanding of the problem domain and their possible solutions.

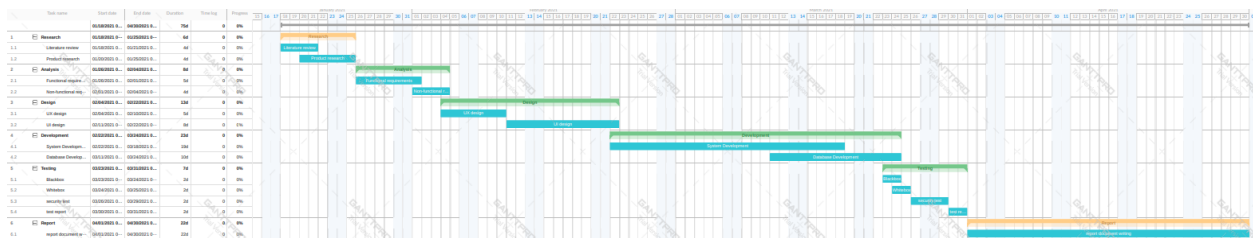
I shall research about how the software interface will be. To make the system interaction as easy as possible is one of the main goals of the project because it can be assumed that the basic housewives cannot use a system with critical interface.

DSDS (Dynamic System Development Method) will be followed to develop the software because it allows a proper interaction between the developers and the users which will increase user satisfaction. And the iteration of an incremental development for a feature will make it more efficient and bug free. As it mostly concerns of the quality so the product will finish as a satisfiable outcome within the budget time which is guaranteed by DSDM framework. White box and black box testing will be followed to ensure that the software delivers the goal. DSDM and SDLC (Software development life cycle) methodology will be followed to develop the database for this system. (Sacolick, 2020) (Boog, 2020)

There will be a proper planning and time table for every step which will ensure that the project is delivered in time and it fulfills all the major requirements as planned.

## Planning

First, I have to gather knowledge about how a food service should work and analyze the systematic process so that both the chef and the customer get the most out of it. After that I have to design the interface of the system to make it convincing and easier to use all the functions. And then the development part begins where the system functions will be created and optimized. When the development is done for the software, it is time for the system testing will occur to find the errors and a test report will be delivered also.



*Gantt Chart*

## Legal, ethical, social, professional issues and aspects

This is important to start a project that the LESPI about that project is analyzed and considered. Because, it helps the project after it is launched for a long run. This term ensures that the company can deal with data loss, privacy ensured, handles critical situations, user safety, staff positive impact and legal and ethical issues are maintained. These topics cover the safety of intellectual and individual information and data and keeps the process transparent if necessary. So, this project will consider that these issues are well maintained for the sake of the future success of the product. Considering the Lespi

issues will secure the project legally, socially, ethically and professionally. (Kaner, 2004)  
(Wayner, 2014) (Hassan, 2017)

## References

- Boog, J. (2020, january 2). What Is DSDM (Dynamic Systems Development Method)? *DSDM Principles*.
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