Ahsanullah University of Science & Technology

Department of Computer Science & Engineering

REPORT ON

Doc & Dine

CSE 3200

Software Development - V

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Date of Submission: **14th October, 2019**

Problem Analysis:

There are many food based websites existing in Bangladesh but none of them has given a proper platform for all the food lovers of different taste to come together. Food is a broad topic and there are many features that users would want in a single system.

There are many existing websites in the market at present such as FoodPanda, hungryNaki, cookups which delivers food items. But they have some limitations. For example, in **Cookups**, orders can't be taken from restaurants. It doesn't give a comparison between the price of food items.There is a searching limitation when searching for food recipes in **Yummly**. You can only search with one item**. HungyNaki** don't give you the option to get home made food delivered at your home.

But with our website we will meet the demand of the users be it food recipes, restaurant food reviews or to order food at home. It will create a community of all the food lovers under one single platform. This will save time and energy to look up for different needs from different websites.

Development of Solutions:

The foremost priority of our website is to give an easy access to the users to order food from online from nearby home chefs and restaurants. On the other hand if they want to prepare a meal at home they can have a wide range of easy recipes to choose from. At present there are different websites offering food delivery services from different restaurants . Our objective is to give users a chance to compare between the food offers and the restaurants . With our website you can have a home cooked meal or restaurant food delivered at your doorstep.

The solutions we have come up with are:

1. **Home made food delivery system:** By registering into our website, the home chefs can have a platform to sell different food items from home. This not only gives an opportunity to the home chefs to earn but also makes it easier for the users to have a diverse menu and choose what they would like to have.
2. **Linkups with food delivery websites:** The website will have a feature where you can order from different restaurants. And this will be done by giving a link of the existing restaurant food delivery websites such as *foodpanda.com.bd,pathao.com,ubereats.com.*
3. **Blogging Recipe:** After registering in the website, one can upload their cooking stories along with appetising pictures and share them with the users. All the recipes are stored in the database and can be viewed by anyone. This helps the viewers to get a huge resource of recipes in one place.

4. **Food blogging:** This website helps food bloggers to upload pictures and review the food they have tasted. Users can see honest reviews of food from different restaurants and have knowledge about different food places. Food bloggers can also create their own community where they will be able to share their experiences.

5. **Searching for Recipes based on food items:** Users can look up recipes by selecting multiple food items according to their taste and get recipes based on them**.**

6. **Make restaurant reservations:** One can easily call to their nearby favourite restaurant and make a reservation beforehand.

7. **Compare between discount offers:** You can compare discount offers which are provided in different home delivery websites and find the cheapest meal of your favourite restaurant.

8. **Avail Discounts:** If you create an account on our website and get a premium membership, you can get a percentage of discount while ordering food from your nearby restaurants while ordering from different food websites**.**

Modern tool usage:

Hardware:
- Laptop/PC or Android Phone

Software:
- Operating System : Windows XP or higher / Linux / Mac
- Front end Tool : Web browser
- Back End Tool : MS SQL
- IDE: MS Visual Studio 2017 and Microsoft SQL Server Management Studio
- Language:C# , HTML, CSS, Javascript
- Framework: ASP .net MVC framework .

Project Management and Finance:

As a web based application, it will either require a PC or a mobile to operate without the addition of any extra device. Thus making the system cost minimal and economically feasible.

Cost of development:
- *3 members* has been developed this project in *13 week's* time.
- As extra *Phone bills* and *internet bill* have cost for the group communication.
- HTML, CSS, JavaScript, ASP.NET are open source, so *no cost* is associated with it.
- There was some *management cost* to manage the system.

Cost of using the system :

- Being an open source web application there will be no cost for using this system other than *minimum hardware requirements* like computer.
- The *internet bill* will be involved in this cost of users.
- Registration for normal users are free. However, *premium register* will cost users a certain amount of money.

Benefits:

- Users will not have to bother to check two different websites for home made and restaurant foods. This will save their *potential time*.
- Users can easily compare between the food offers and get the best deal to save their *money*.
- Home chefs will have to give a *subscription amount* to make an entry of their cooked items in the website. Therefore, developers can earn a revenue from it.
- *Premium registration* on our website is also a way to get some benefits for the developers.
- Restaurants will have benefits from the website by automated reservations or food delivery. Developers will be able to earn revenue from these *restaurants* too by registering them in the system.

Investigation:

The motivation for doing this project was primarily an interest in undertaking a challenging project. There are many existing websites in the market at present such as FoodPanda, hungryNaki, cookups which deliver food items. But the websites have their own different features. So, the main motivation behind this website was to create a platform where home chefs will be able to sell their food items along with food delivery from restaurants. Moreover, we plan to compare between the food offers among different existing food apps to see which app offers less price for a specific restaurant. Because people want to compare the food prices and food offers among the restaurants and want to get the best ones.

Environment and Sustainability:

The main idea behind this system was to build a single platform where you can get all the features and possibilities for food in a single platform. It has been developed in ASP.NET and Microsoft SQL Server to connect database. We intend to eliminate the problems of the existing systems and the solutions we have come up with are -

1. We are giving a complete experience of the food world. User friendly interface which offers ordering food from restaurants and home cooks, restaurant reservations, food blogging etc. easily. It will be an ***all in all*** website for the food world.

2. We are building a strong **community of food bloggers** where they can communicate with each other and help the users by giving honest reviews.
3. Our system will be giving the opportunity to the users to **judge all their nearby restaurants** by comparing the rating, price and discounts of their desired foods.
4. A user friendly interface for **searching for recipes by entering specific ingredients** is present.
5. Last but not the least, we are bringing all the **epicures together**. Food enthusiasts can also share their own recipes to let people know about them.

Because of all of these advantages and additional features, we intend to have a long term use of our project for the users in the future.