International Islamic University Chittagong

Department of Computer Science and Engineering

Project Proposal

Project title

Fast & Fried : A responsive, Intuitive website for the Fast Food Joint "Fast & Fried"

Student(s) Name	**Md. Mubin Nomani (C223123)** **Mohammed Arafat (C223141)** B. Sc. in CSE Department of Computer Science and Engineering (CSE) International Islamic University Chittagong
Course Teacher	**Md. Warid Bin Azad** Adjunct Lecturer Department of CSE, IIUC

Course Teacher's Approval

_____

Md. Warid Bin Azad
Adjunct Lecturer
Department of CSE, IIUC

Fast & Fried

1. Introduction

Food, a daily constant in almost every aspect of our lives, ranging from nourishment for our body to meeting with friends and loved ones. Our lives orbit around food so much that we have defined festivals and cultural events based on the food that we consume on those occasions. Whether you are poor or wealthy, without food, you would not be. Then what can be a more privileged responsibility than bringing the sustenance, love and joy of tasty foods to the masses and making it extremely accessible and affordable through the internet. With the help of our new robust website, we can breach cultural barriers and country borders to spread and share the euphoria of eating well prepared delicacies, done by the hands of our professional cooks.
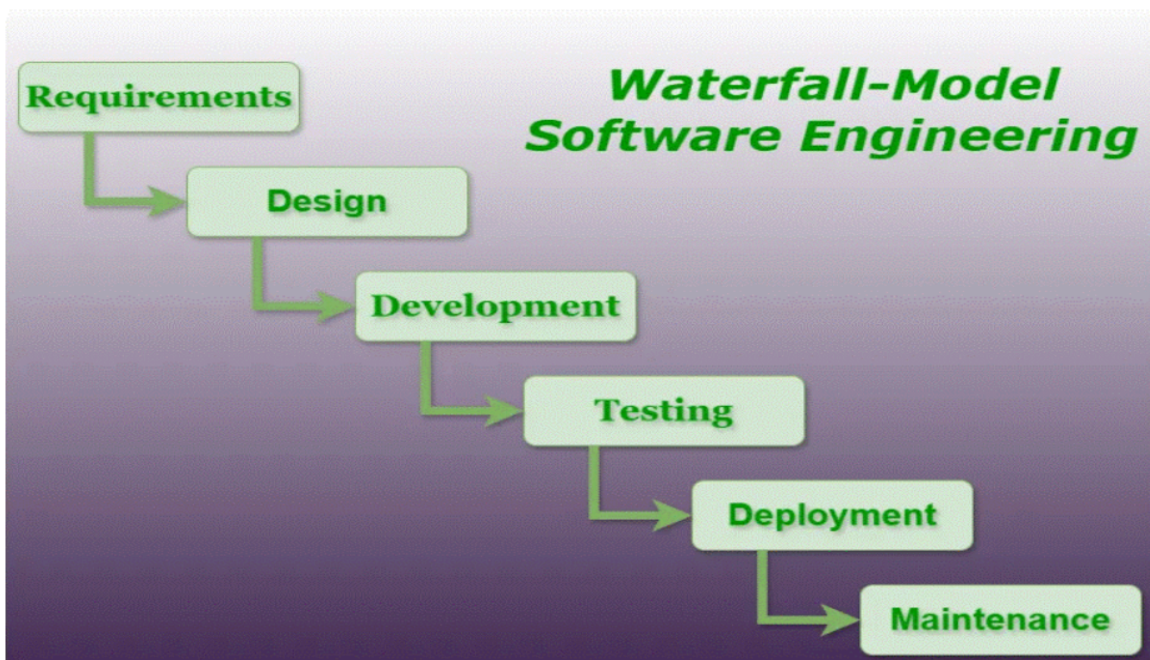
2. Literature Review

Existing works & URLs	Findings	Effects
KFC Link : https://kfcbd.com/	There is no search bar to search for food from the menu.	Wastes users time as users have to navigate through the website until they find what they are looking for.
Secret Recipe Link : https://secretrecipebd.com/	Does not provide the user with additional details, such ingredients, number of pieces, number of inches etc.	Leaves the user uncertain or unsure on what exactly they are ordering, which may lead to them avoiding ordering at all.
Little Arabia Link : https://littlearabia.com.bd/site/	Customers can neither leave nor view reviews for the food that are available in their catalog.	Makes decision making on a product easier for new or unsure customers as they can refer to the reviews to get a perspective on a product.
Herfy Link : https://herfybd.com/	Does not provide any profiling methods such as Login / Signup.	Without proper user profiling, a revisiting customer has to provide all their information and credentials every time they order from the site.

From the currently available services, we can see that there are plenty of improvements that can be made and we plan on bringing what the industry is currently missing, proper customer experience. Some services don't even provide basic searching of their products, others make down right annoying for the customer to use. With our new service, all the mentioned flaws of our current market will be overcomed.

3. Aims and Objectives

I) To allow customers to enter and immediately view our catalogs with efficient searching and seamless carting of products.

II) Allow customers to login using only phone numbers, giving the customer minimal checkout time.

III) Provide the customer with a detailed listing of ingredients and necessary food specifications on every meal available on our catalog.

4. Methodology / Approach to development

We think the Waterfall-Model is a perfect fit for the project. To grasp its involvement, we need to first understand the model's fundamentals. It is a linear and sequential approach to software development that consists of several phases. It

must be completed in a specific order. This classical waterfall model is simple and idealistic and most other methodologies are derived from this model.

When to use Waterfall-Model :

- **Well-understood Requirements:** Before beginning development, there are precise, reliable, and thoroughly documented requirements available.
- **Very Little Changes Expected:** During development, very little adjustments or expansions to the project's scope are anticipated.
- **Small to Medium-Sized Projects**: Ideal for more manageable projects with a clear development path and little complexity.
- **Predictable:** Projects that are predictable, low-risk, and able to be addressed early in the development life cycle are those that have known, controllable risks.

Advantages of Waterfall-Model :

- **Easy to Understand:** The Classical Waterfall Model is very simple and easy to understand.
- **Individual Processing:** Phases in the Classical Waterfall model are processed one at a time.
- **Properly Defined:** In the classical waterfall model, each stage in the model is clearly defined.
- **Clear Milestones:** The classical Waterfall model has very clear and well-understood milestones.
- **Properly Documented:** Processes, actions, and results are very well documented.
- **Reinforces Good Habits:** The Classical Waterfall Model reinforces good habits like define-before-design and design-before-code.
- **Working:** Classical Waterfall Model works well for smaller projects and projects where requirements are well understood.

Tools :
      Languages -
            Frontend : React, HTML5, CSS3, Javascript, Bootstrap.
            Backend : Node.
      Software Specifications -
            OS – Windows 11
            Code editor – VS code
            Documentation – Google Docs
      Hardware Specifications -
            Processor – Intel Core i3
            Ram – 4 GB
            Available disk space - 10 GB

5. Work plan & Timeline

ID	Task Name	Start	Finish	Duration	2024Nov									Dec															
					22	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Initial Idea	22/11/2024	23/11/2024	2.0 d.																									
2	Feasability Study	24/11/2024	26/11/2024	3.0 d.																									
3	Requirements analyse	25/11/2024	27/11/2024	3.0 d.																									
4	Design	28/11/2024	29/11/2024	2.0 d.																									
5	Development	30/11/2024	10/12/2024	11.0 d.																									
6	Testing	08/12/2024	12/12/2024	5.0 d.																									
7	Documentation	13/12/2024	15/12/2024	3.0 d.																									

6. Conclusion

The service provided by us is for the betterment of everyone regardless of your origin, age, gender, ethnicity, residence, social status or wealth. You can benefit from this project, all you have to do is reach out. The easy and quick nature of our website will be sure to bring satisfaction to a maximum while keeping the waiting to a minimum.

7. Reference

- "KFC BD Official Website", https://kfcbd.com/ – Last visited : 30 / 11 / 2024.

- "Secret Recipe Bangladesh", https://secretrecipebd.com/ – Last visited : 30 / 11 / 2024.

- "Little Arabia Restaurant", https://littlearabia.com.bd/site/ – Last visited : 30 / 11 / 2024.

- "Herfy Bangladesh", https://herfybd.com/ – Last visited : 30 / 11 / 24.

- "Gantt Chart", https://www.youtube.com/watch?v=xsxi4qaEnOg&ab_channel=PandiMengri – Last visited : 30 / 11 / 24

- "Waterfall Model", https://www.geeksforgeeks.org/waterfall-model/ – Last visited : 1 / 12 / 24.

- "Gantt Chart creating tool - Edraw", https://www.edrawsoft.com/ad/edraw-max/ – Last visited : 1 / 12 / 2024.