SYNOPSIS

ON

Indian Cooking Recipes Application And Website

Submitted By:

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About the Project:

The advancement in technology has made our lives easy like never before. Everything that we require is available at our fingertips. With few taps on our smartphones, we can complete tasks in minimal time.

From entertainment to learning and from fitness to cooking, there are various applications for everything that we need. With just a click of a button, you can get access to multiple recipes within a second.

Each recipe provides you with all the information, from the ingredients required to each step required to cook the different parts of the dish. These applications are generally used by people who want to try to make some new dish, or by people who live all by themselves, or by working people who are always short on time.

Even though there has been such a huge advancement in technology, all these applications provide you with the ingredients required, and you must go and buy the ingredients that are not available to you currently.

The solution we came to is an Android Application/Website that will provide you recipes based on the ingredients that you already have with you, resulting in less wastage of time and money in buying the unavailable ingredients. The application contains an available database of food recipes that can be browsed through by the user. Most importantly the user can choose to only see those recipes with a specific set of ingredients available to them. The user also has the option to filter, sort, and favorite those recipes based on their preference. Moreover, the application also allows the user to add new recipes and ingredients to the application.

Features:

Through this platform, we will make it easier for our users to access hundreds of recipes at their fingertips.It, will also allow users to add recipes of their own making it an ever expanding repertoire of recipes.Our platform is comprised of 2 major modules with their sub-modules as follows:

1) User

- **Login** : User can login by using his/her id and password
- **Main Menu:** User will have access of main menu
- **View:** user can view various recipes
- **Add**: user can update or add more content if it is successfully verified
- **Knowledge:** user read the knowledge article and content uploaded
- **Help:** user if encounters any difficulty can seek help by going on Contact us option.

2) Admin

- **Login**: Admin can login using credentials
- **Manage**: Admin can manage the traffic on the platform
- **Content**: Admin can manage the uploading of documents on the platform.

Aim And Objectives:

- The main aim of our application is to provide recipes to the users based on the ingredients already available with them, unlike other recipe providing applications where the ingredients available with the consumer are not taken into consideration.
- The objectives of our project are as follows:
- To help the user decide a recipe to cook from the ingredients available
- With him/her.
- To guide the user to the recipe based on the user's choices and needs.
- To help save the user money and time by tediously referencing
- cookbooks and buying ingredients he/she does not need.

Functional Specifications:

The project will consist of various modules, each module having lots of functionalities :

- **Login Module:**

Will allow users to log in to access their profile.

Will allow users to sign up for a new account

Easy Access through various providers including Facebook and Google.

Users can also use their phone numbers to receive an OTP and log in.

- **Reading Module:**

Users can read various recipes by reading out the procedure.

Exclusive video or youtube-link for some recipes on availability basis.

Text-to-Speech Services for the reading of the recipes included.

- **Searching Module:**

Efficiently search across hundreds of recipes(Implementation Of Multi-level indexing)

Categorical Searching.

- **Recommendation Module:**

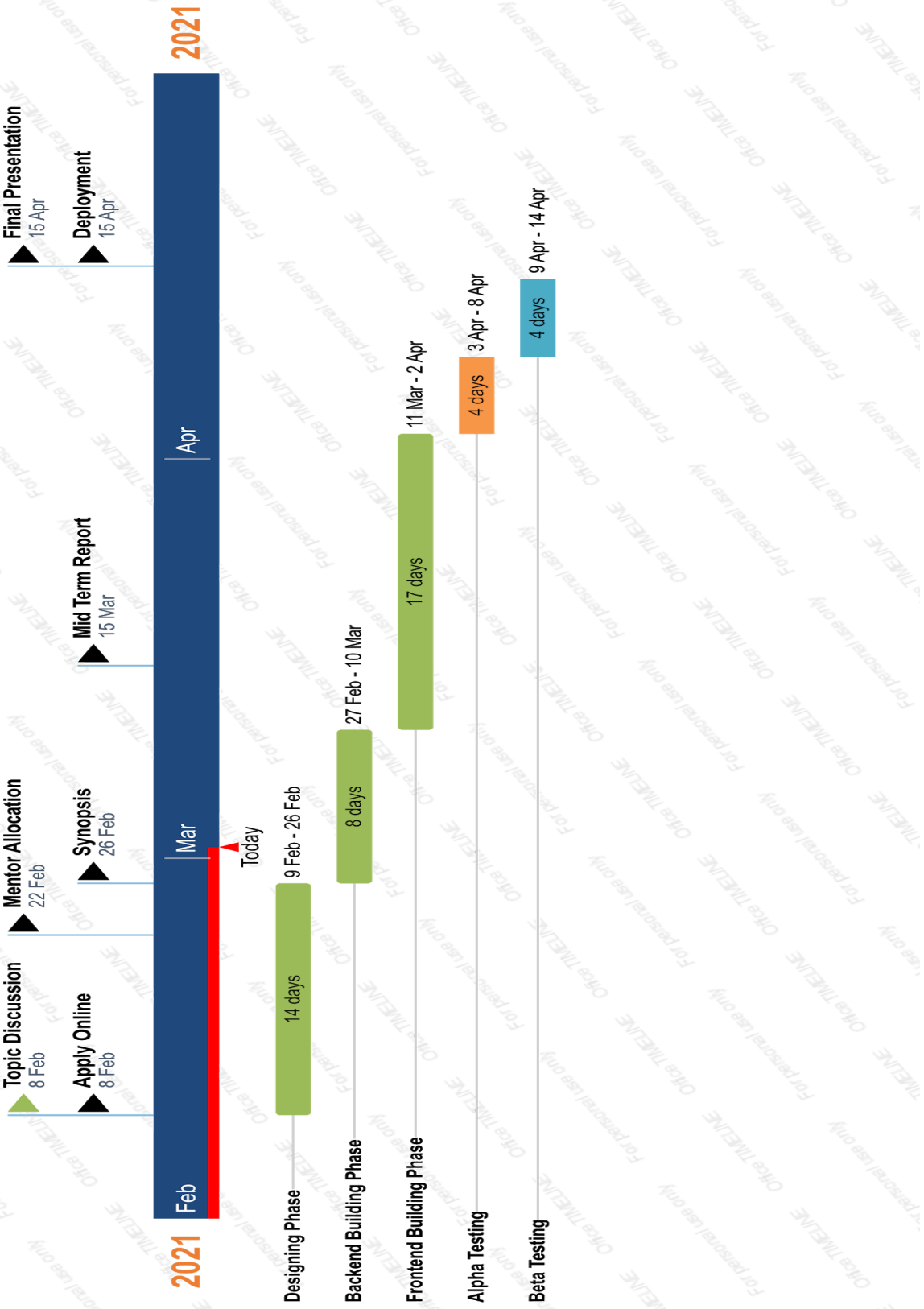
Recommending what to cook next based on previous categories.

Recommending next to cook based on popularity.

Recommending next to cook based on time of year.

Project Planning:

Project Development will be referenced from the timeline below :



Software Specification:

- Technology Implemented : Android Studio 3.5, Java Development Kit 11, Flutter SDK 1.17(Stable), Dart SDK, Google FireAuth, FireStore, Firebase Hosting and Testing
- Language Used : Dart, Kotlin, Swift, XML, HTML5, JavaScript, CSS, BootStrap, jQuery
- Database : Google Firebase
- User Interface Design : Adobe xD and Figma
- Web Browser : Google Chrome 86

Hardware Requirements:

- Processor : Intel Core i5 or AMD FX-4300
- Operating System : Microsoft® Windows® 7/8/10 (64-bit) / GNOME or KDE desktop. Tested on gLinux based on Debian.
- RAM : Equal to or more than 4 GB of RAM
- Hardware Devices : Huawei Honor 20i (Android) and Apple iPhone 7 [For on-Device Testing]
- Hard disk : 4 GB of available disk space minimum (500 MB for IDE + 1.5 GB for Android SDK and emulator system image)
- Display : 1280 x 800 minimum screen resolution.