**Product Intro**

**Problem Statement:**

In planning and arranging the wedding events any one of the things is compromised. Sometimes a nearby venue is not found or quality of food is not achieved. The photographers did not take high-quality images. Searching for every vendor is a difficult and time-consuming process. So to deal with all such problems I propose this system as it will allow the users to plan their wedding ceremony on time and with great perfection.

Everything will be provided to the users under one platform. There will be no worries about the wedding halls, catering, saloon, or photographer’s selection. Users will be able to book these services online in this system. Users will be provided with the option of designing the invitation cards in this system. Card are automatically generated by adding information and clicking on download button.

**Proposed Solution: `**

This system will be a web-based system related to the arrangement of the wedding ceremony. It will be an online process in which users will not go physically to wedding halls or for any other services related to the wedding as everything will be booked online. This System will add the feature of designing the invitation cards. The searching according to the required services will be possible for the customers.

**Related System Analysis:**

|  |  |  |
| --- | --- | --- |
| **Application Name** | **Weakness** | **My Application** |
| Bookirea | * The facility of designing invitation cards in not included. * The facility of saloons, catering and photographers is missing in this system | * This application will provide the option of designing invitation cards. * This application provide the facility of saloons and photographers and catering |
| Booked | * The facility of designing invitation cards in not included. * The facility of saloons, and photographers is missing in this system | * This application will provide the option of designing invitation cards. * This application provide the facility of saloons and photographers. |

**Target Audience:**

This project will help those people who shift to some new area and do not know about the nearby places, will use this system, and plan the wedding event accordingly

**Application Stack:**

* UI Design Library (React JS):

I used reactsJs because it is popular JavaScript library for building user interface

* UI Framework (Ant Design)

The reason for using ant design react UI library is that it comes with a lot of reusable components

* Application State Manager (Redux and ContextApi)

React redux is popular library for managing state of application. Using redux we can store whole application state at one place that is store.

* Router (React router)

React router is package in reactsJs that we used for routing

* APIs Architecture (RESTful)
* API Communication (Axios)

Axios is used for fetching API request. Axios is better over fetch when we handle large amount of http request and fetch is better for smaller project

* BE (Nodejs)

Nodes is popular JavaScript library for server-side.it allow non-blocking so it is better for project that need speed

* Server (Express)

Expressjs is nodejs framework that helps in creating fast server-side applications

* DB (Mongo dB)

MongoDB IS 100 times faster than other databases .It is schema less and there is no complex queries like joins that we have in sql

* Version Control Systems (GitHub)
* Linting (ESlint)

ESlint help in better coding it will identify in our code if we forgot to import files, or any semi colon

* Pre Commit Hooks (Husky)

When we are going to commit our code husky will identify the errors in our code before committing

* Unit Test Cases (JEST, Enzymes)

Jest is popular testing library for JavaScript but especially famous for reactsJs. Enzyme add flexibility to jest .it is not used alone whereas jest can be used alone.Jest is developed by Facebook and enzymes is developed by Airbnb

* Documentation (JS Docs)

Using jsDoc we can document our code through comments .jsDoc also help to export that file into html

* Middleware’s
* Micro FEs