



Interior Designing Application

Final year Project (2017-2021)

Department of Computer Science

Introduction

Every individual want a better place having best locality for living or for any other commercial work. Interior design is not just about the look and beauty, added to this it also has an ability to showcase any place as residence or commercial place according to customer's demand with proper design and comfort lighting. Interior designing is much important than it seems so in this regard the techniques like image customization and other designing services provide a platform where user can customize and avail services according to their choice. This application is an Android-based application for interior designing. This application will facilitate the customer while sitting at home with the best interior designs for different events and all other services regarding decoration.

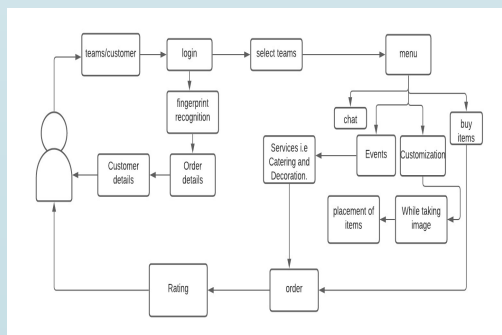
Background

As there are hardly few websites or apps that provide interior designing. People who are unable to décor their houses, offices and any other residential or commercial place require such an app by which they make their dream place alive. Such people have large places but they don't know how to manage the space and make it more presentable. Interior designing is used to help those people that are unable to decorate their home. The main goal of interior designing is to improve the user experience by providing efficient solution for a better use of space available in intervened environment. Fundamentally, it is a way to change the lives of people who live or enjoy a certain space, improving their quality of life in this through design and decoration.

Motivation

The main inspiration and motivation for this project is that we facilitate the people that are busy in their tough schedule and cannot have time to manage their events according to their requirements. The motivation about this project was to make use of augmented reality. The scope of the project includes but not limited to designing homes and other commercial spaces and then creating the design for a particular environment according to the client needs.

System Architecture

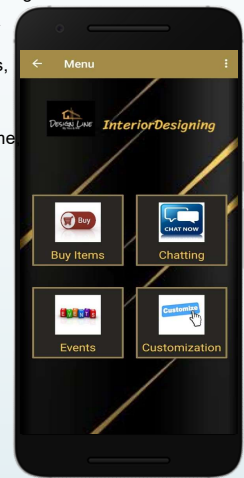


Objectives

- Giving a real environment using AR.
- Multiple services at one platform.
- Giving security to the users.
- Handle all type of events for decoration and catering

Conclusion

Interior Designing Application in android using the advance features of unity for customization, it helps the user to feel a real environment at one platform. Only authorized user can easily login to the application and also avail Services and features in the context interior designing. User can easily choose the specific team on the basis of their given details that includes specifications, gallery items, services and rating by other users. In menu, user can avail four features that are buy items, chatting, events, and customization. This application provide different furniture items for the user like home offices, schools and restaurants. They can Easily buy those items according to their choice and at the end they can also give feedback to the team in the form of rating. Using AI, chatting facility is provided by a chatbot. Another feature of events provide different services for those users who want to decorate their events along with catering services. The main feature of this android application is customization, in which user can easily locate the furniture items in the real environment.



Future Work

There is always a need of modification and updation in any application. There are many possible improvements in Interior Designing Application in future. Some future work is listed below.

- In Customization module, there should be other customizable options such as changing color of background, walls, floor and curtain etc.
- For more customization, there should be other items for user to buy such as curtains, rugs and different decoration pieces etc.

References

- Pfuner E-Design Services. <https://pfunderdesign.com/>
- Houzz Online Interior Design AR Tool: <https://www.houzz.com/mobileApps>
- Traci Connell Design Delivered: <https://traciconnellinteriors.com/online-design/>

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