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**IMPLEMENTATION OF A WEB APPLICATION TRAVISTA (A CITY EXPLORER
GUIDE)**

Nishika Chopra*

*Computer Science & Engineering, Acropolis Institute of Technology & Research, Indore (M.P.)
India

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ABSTRACT

“Travista, a city explorer guide” is a website which user can simply access for the purpose of tourism and exploring the city. Through this application user can easily view the details of the place they want to explore whether it is a heritage site or a various local place. This web application was developed with the objective of giving the details of all the places of a particular city under a single spot, so that, it would be beneficial for tourists as well as local people too. First, the user will need to register to access the facilities provided by the website such as, maps and navigations, add and view live feeds, view information regarding hotels, restaurants, cafés and many more. One of the extravagant features of Travista is to get updates regarding various offers and deals which will be present around the user. In this web application, user can easily view updates and live feeds, view transportation facilities and its schedule, hotels and its accommodations etc

KEYWORDS: Web application, Travista, user guide.

I. INTRODUCTION

A user-friendly web application based upon tours and travels. Travista helps the tourists to explore the city's local attractions and its surrounding along with the transportation options, accommodations and give updates as per the user's requirements. It gives reviewed feedbacks and the places can be shared with peers as well. In this way it helps the users to organize a tour plan accordingly. It is able to pick up user's location and display results accordingly. Along with tourists it also helps local people conveniently with navigation, transportation, informing about best deals around them. It is an intelligent guide which connects a user to the city in its own unique way.

- Information: Information of all the local attractions as well as restaurants, hotels and tourists place is provided. This information includes transportation details, reviewed feedbacks, recommendations and locations on the map.
- Alerts and updates: A registered user is provided with an additional facility to mark locations for future reference. This helps the user to be up-to-date with our alert feature.
- Maps: A user's location is picked up automatically. This intelligence facility provides less intervention of the user.
- Detailed comparison: This feature helps the user in decision making. Comparison involves efficient routes to select, feedbacks of customers, nearby places, ambience of the place.
- Live feed: Through live feed a user is able to share and give updates of a location he is currently present at. This helps the other users to be up-to-date with the ongoing situation.

II. FUNCTIONAL REQUIREMENT

- a. Provides navigational feature to user.
- b. It provides categories regarding accommodations, transportation, local attractions, diner and many more.
- c. It is mandatory for a user to sign up. Registered users are provided with additional features.
- d. It provides a feature like saving some places for further reference to a registered user.
- e. It notifies regarding deals and offers of a store near their current location.
- f. Travista helps to save places and locations for further reference.
- g. It gives updates and alerts of the user have saved places.
- h. User has the facility to send live feeds and give feedback for the place.

i. The GPS of the system should be enabled for the pickup of the current location.

III. SYSTEM DESIGN & ARCHITECTURE

Model-view-controller (MVC) is a software **architectural pattern** for implementing user interfaces on computers. It divides a given application into three interconnected parts in order to separate internal representations of information from the ways that information is presented to and accepted from the user.

- ❖ The “model “is the central component of the pattern. It expresses the application’s behavior in terms of the problem domain, independent of the user interface. It directly manages the data, logic and rules of the application.
- ❖ A “view “can be any output representation of information, such as a chart or a diagram. Multiple views of the same information are possible, such as a bar chart for management and a tabular view for accountants.
- ❖ The third part, the “controller”, accepts input and converts it to commands for the model or view.

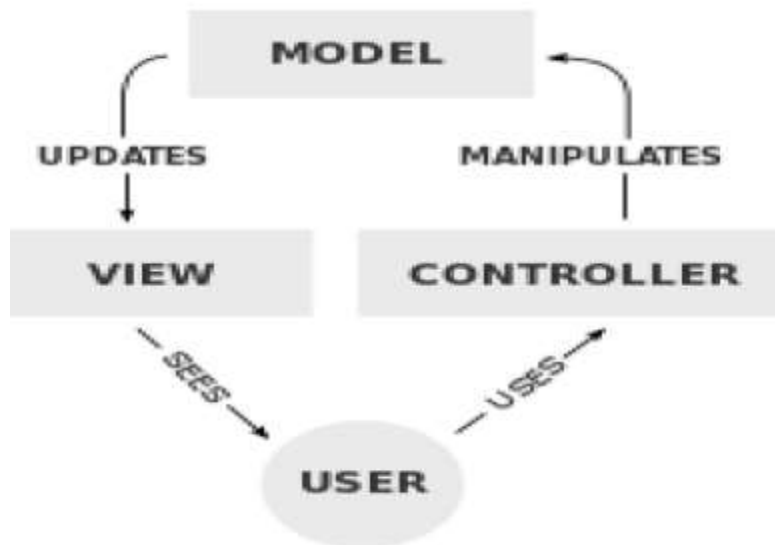


Figure 1: MVC Architecture for Travista Web Application

A. Use case Diagram

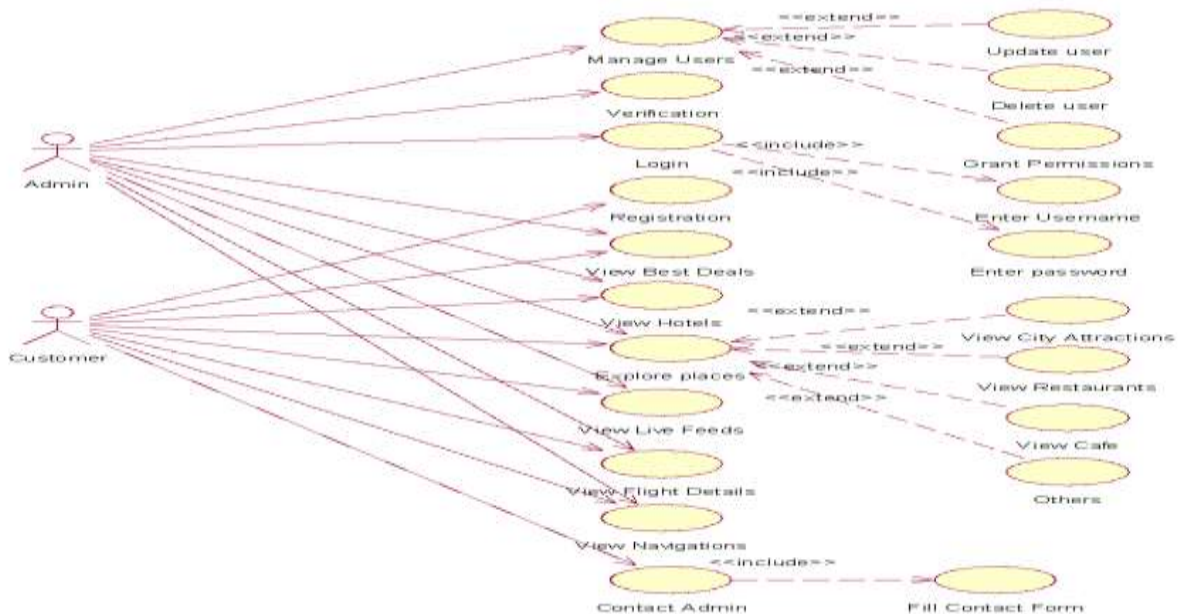


Figure 2: Use case diagram for Travista Web Application a user guide

B. Entity Relationship Diagram

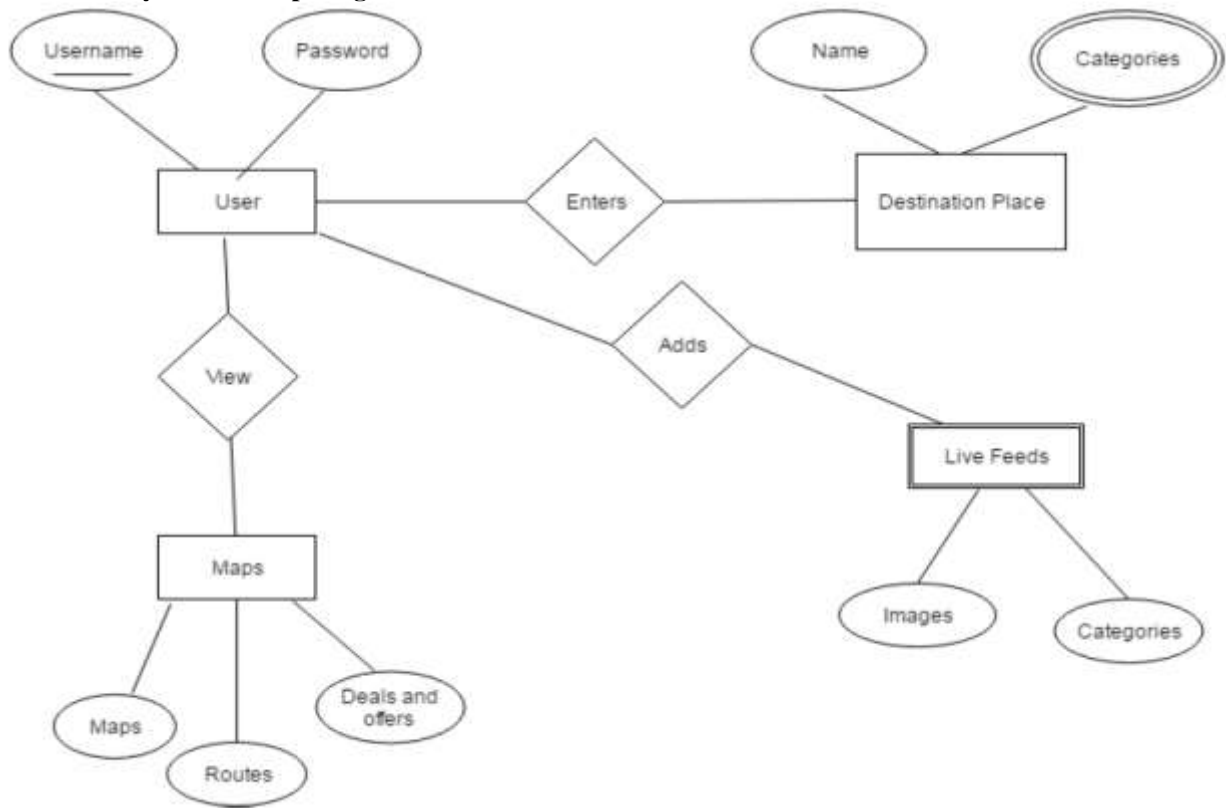


Figure 3: Entity Relationship Diagram

C. Activity Diagram

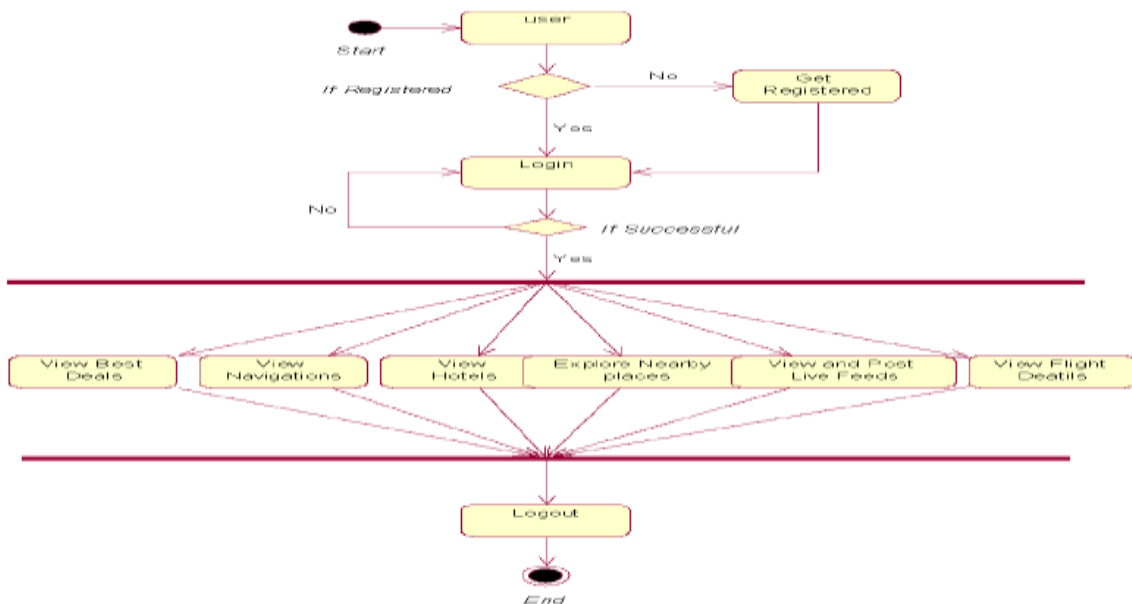


Figure 4: Activity Diagram

IV. SCREEN SHOTS OF THE PROJECT

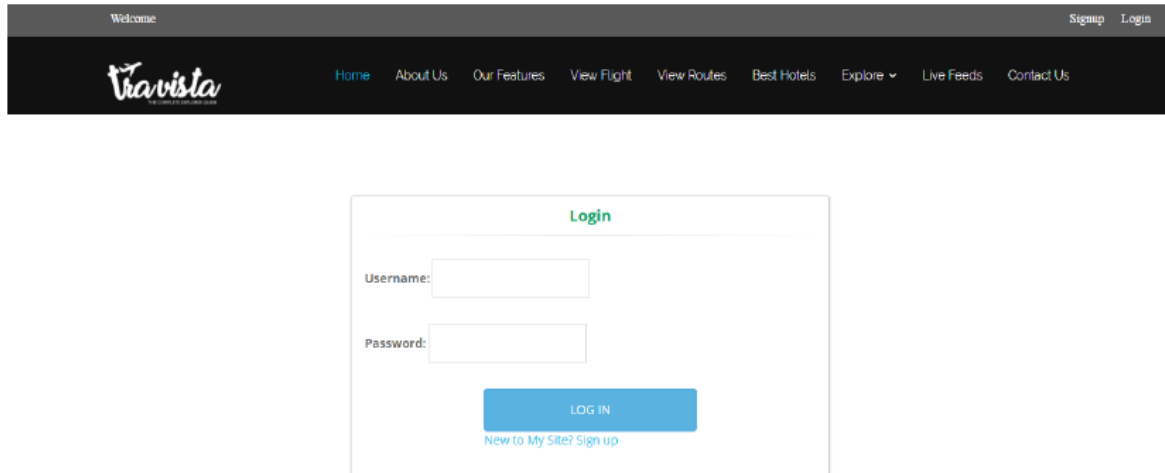


Figure 5: Login Page

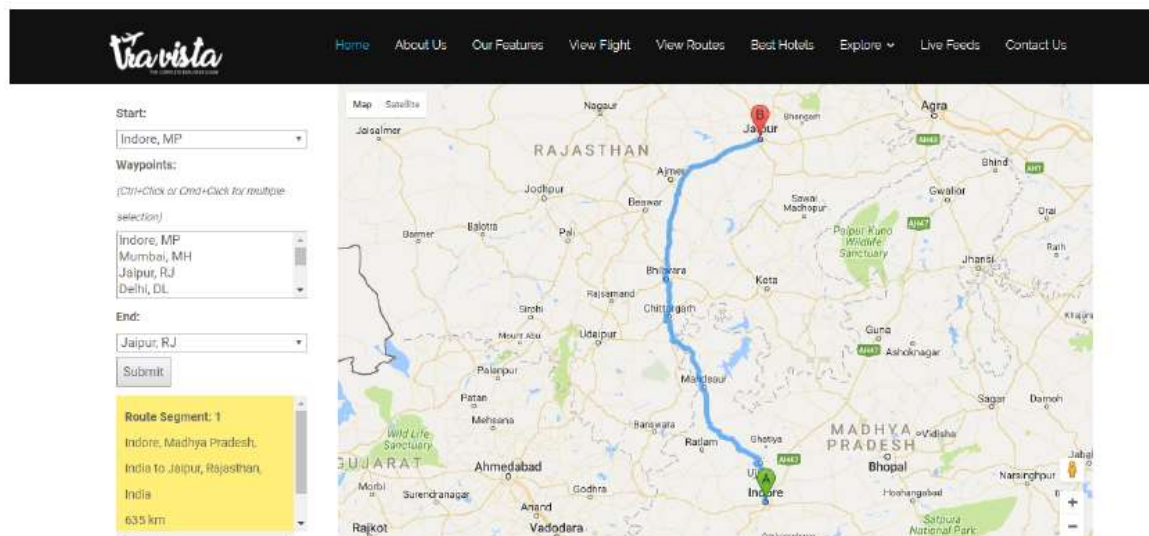


Figure 6: Route Interface

V. CONCLUSION & FUTURE SCOPE

This project was taken by keeping this in consideration that the user needs to visit more than a single website for the purpose of tours and travelling, whether it is within its own city or in a new city. This website provides a user friendly version for travel and tourism. It makes the entire process which relates to city guide easy and efficient by only visiting a single website instead of visiting various websites. The facility for Live Feeds through which a user will get real-time updates of the location is a feature not present in already existing city guides. There is a future scope of this website, we want our users to be up-to-date with the city they are travelling to, or currently located in. Following are some of the features which we will have planned to add in the updated versions of the website.

- Add a booking facility for hotels, flights, movie shows, events. At present, the user is able to view the details only, with the addition of booking facility he will be able to plan an entire trip at a single click.
- Include Payment gateway.



- Recommend places to peers
- Add and view Live videos
- Detailed comparison between various locations
- Live traffic updates

VI. REFERENCES

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