

# **PROTOTYPE**

**for**

## **Tour of Jangraimukh Tribal Village and Overview of Majuli River Island**

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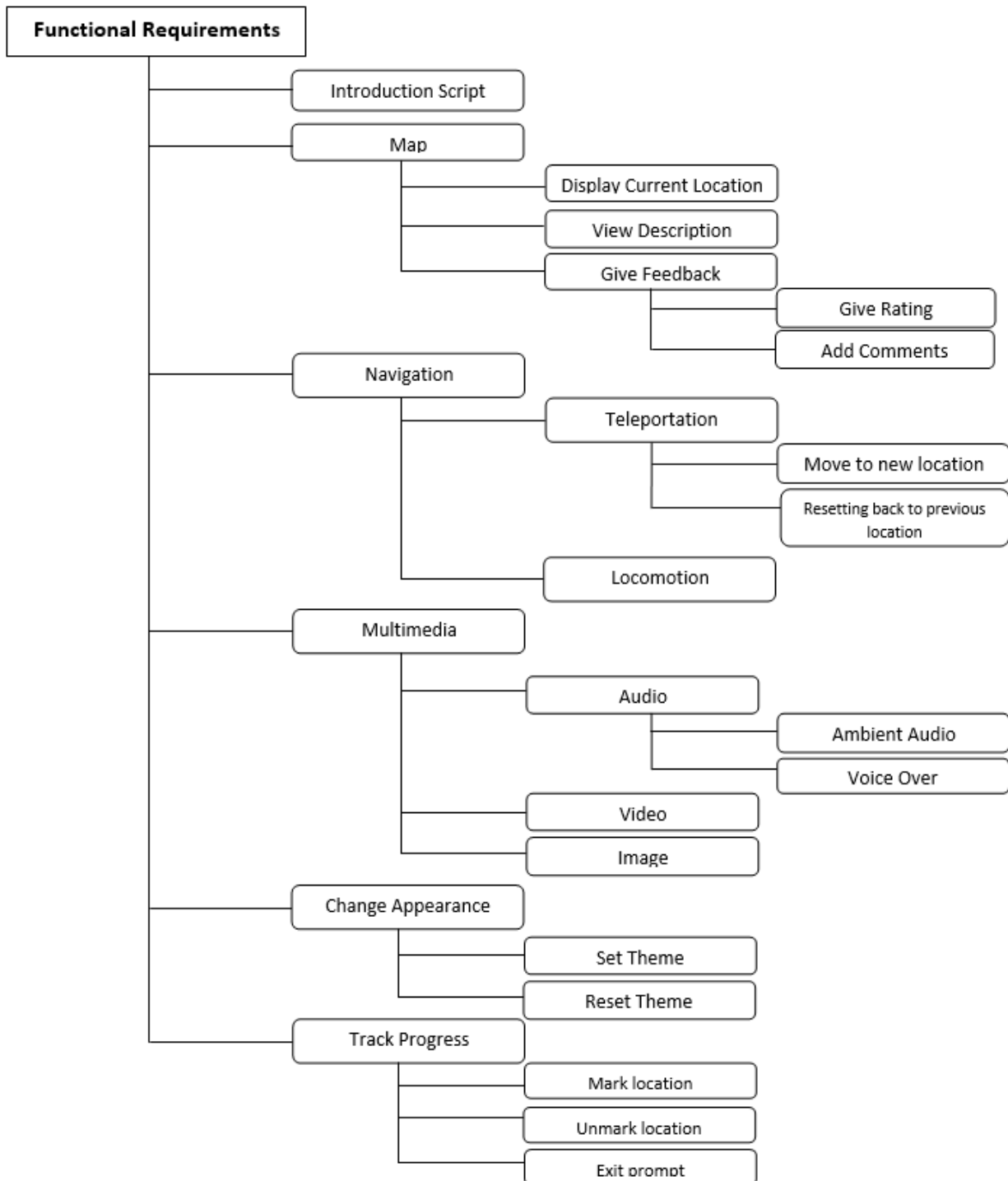
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## User Class: Tourist



# User Class: Tourists

## **Type:** Vertical Prototype

Tourists are the users who are mainly enthusiastic to learn about the cultural activities and daily life activities of the village. These people explore most of the cultural places and tourist destinations and experience the various activities using multimedia. They also use navigation, track progress to explore all the places and keep track of the places to be visited. This group is completely different from the other user group as its main aim is to enjoy and experience the village life.

## **Frequently used functions:**

1. Navigation
2. Multimedia
3. Mini Map
4. Track Progress

## **Justification:**

- **Navigation**

Tourists will frequently navigate through the village through teleportation and locomotion to move to a new area. Tourists require navigation as a basic functionality because they want to visit many tourist destinations and explore village life. For navigating to the destinations far away, tourists use teleportation by selecting coordinates of the location on the map. And for nearby distances tourists use the locomotion feature by selecting location on the screen i.e., virtual world.

- **Multimedia**

Tourists will frequently use this feature to explore various cultural activities of the village at various locations and in general village life including village ecosystem, through multimedia (video, image, audio). Tourists will experience this feature whenever they visit a new place. This feature is important because apart from models, the tourists also want to see short video clips and images of how these activities are going on in the real world rather than the virtual world. Tourists also experience embedded ambient audio everywhere on the island, so that he/she gets a real experience of village life on Majuli Island.

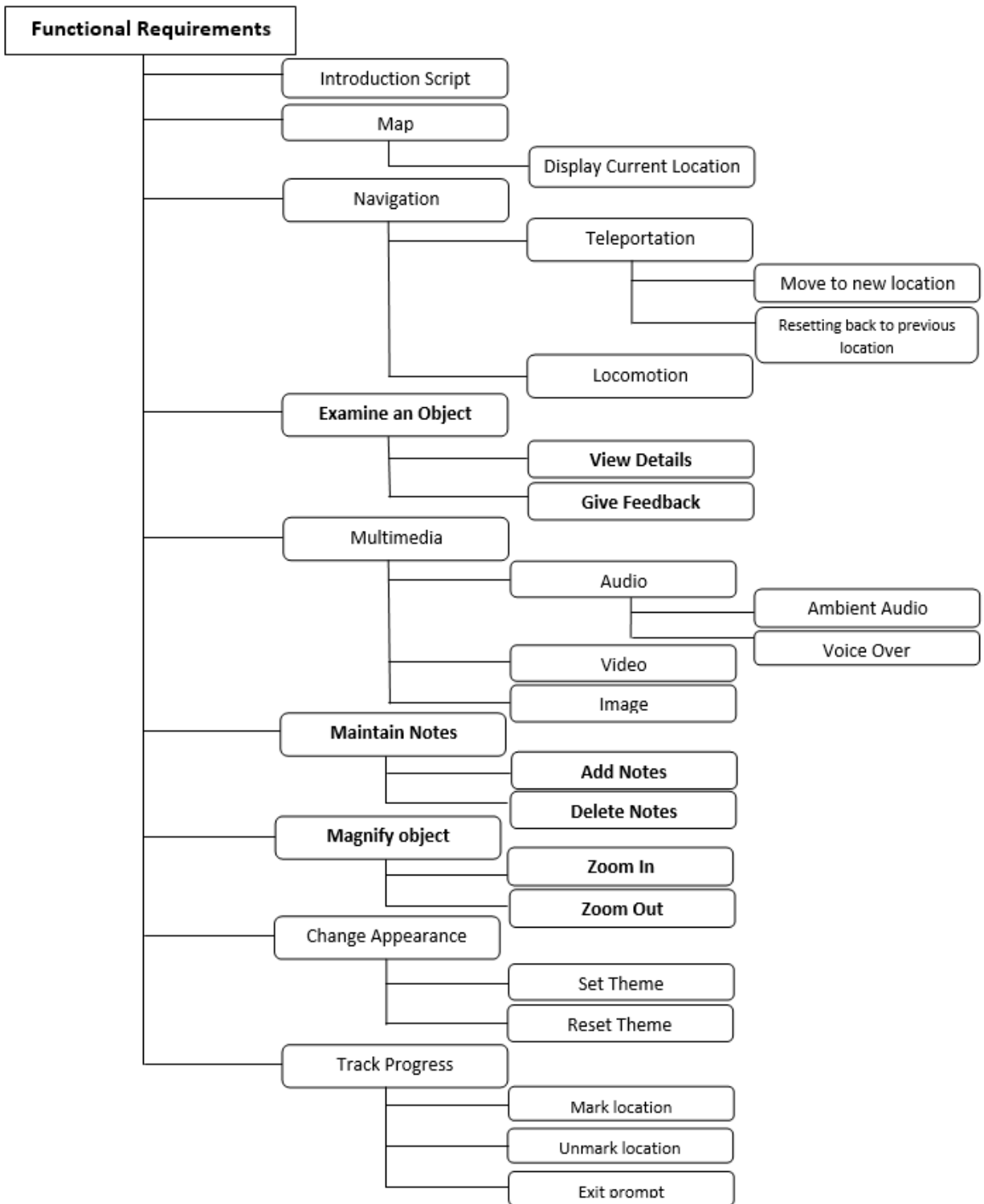
- **Mini Map**

Tourists will frequently use mini-map to know about their current location and apriori get the information of the places yet to be visited, throughout the tour. Tourists will use the map almost all the time through the tour and can give feedback and rating of the places he/she visited in the tour. For all the important tourist destinations, a tourist can get information of that place through the view description function in mini-map.

- **Track Progress**

Tourists track their progress throughout the tour by marking a location and unmarking a location on the map. Tourists will use this feature frequently to guide their tour properly and to know about the places yet to be visited. In addition, tourists can also unmark a location if they like, so that if they love a certain tourist destination, they can unmark it so as to visit it again. Thus this feature will always be used throughout the tour.

# User Class: Researcher



# User Class: Researchers

## **Type:** Vertical Prototype

The class of users, whose main motive is to learn about the historical things and the flora and fauna of the village through the view description feature given to them. In order to know about the objects in detail, these users use magnifying/demagnifying objects. And in order to remember the things that they learned about the place or after examining, they make notes and maintain it throughout the tour. This class of users is completely different from the tourists class as the main aim is to research about the cultural village and not to visit tourist destinations. The main functions specified below are only available for this class of users only.

## **Frequently used functions:**

1. Examining an object
2. Magnifying things
3. Maintaining Notes
4. Navigation

## **Justification:**

- **Examining an object**

It is one of the most frequently used functions of a researcher because the main purpose of the researcher is to explore a place in depth and research on the flora and fauna of that place. So, wherever he goes he always tries to research the ecosystem of the place by using this function. This function is only available to the researcher user group.

- **Magnifying things**

While exploring or researching about the objects in a place, the researcher always needs to magnify or demagnify the objects/things to know about it in detail and to do more research on it. It is also frequently used by the researcher as it complements the researching phase by providing additional details about the objects such as flora and fauna. This function is also only available to the researcher user group.

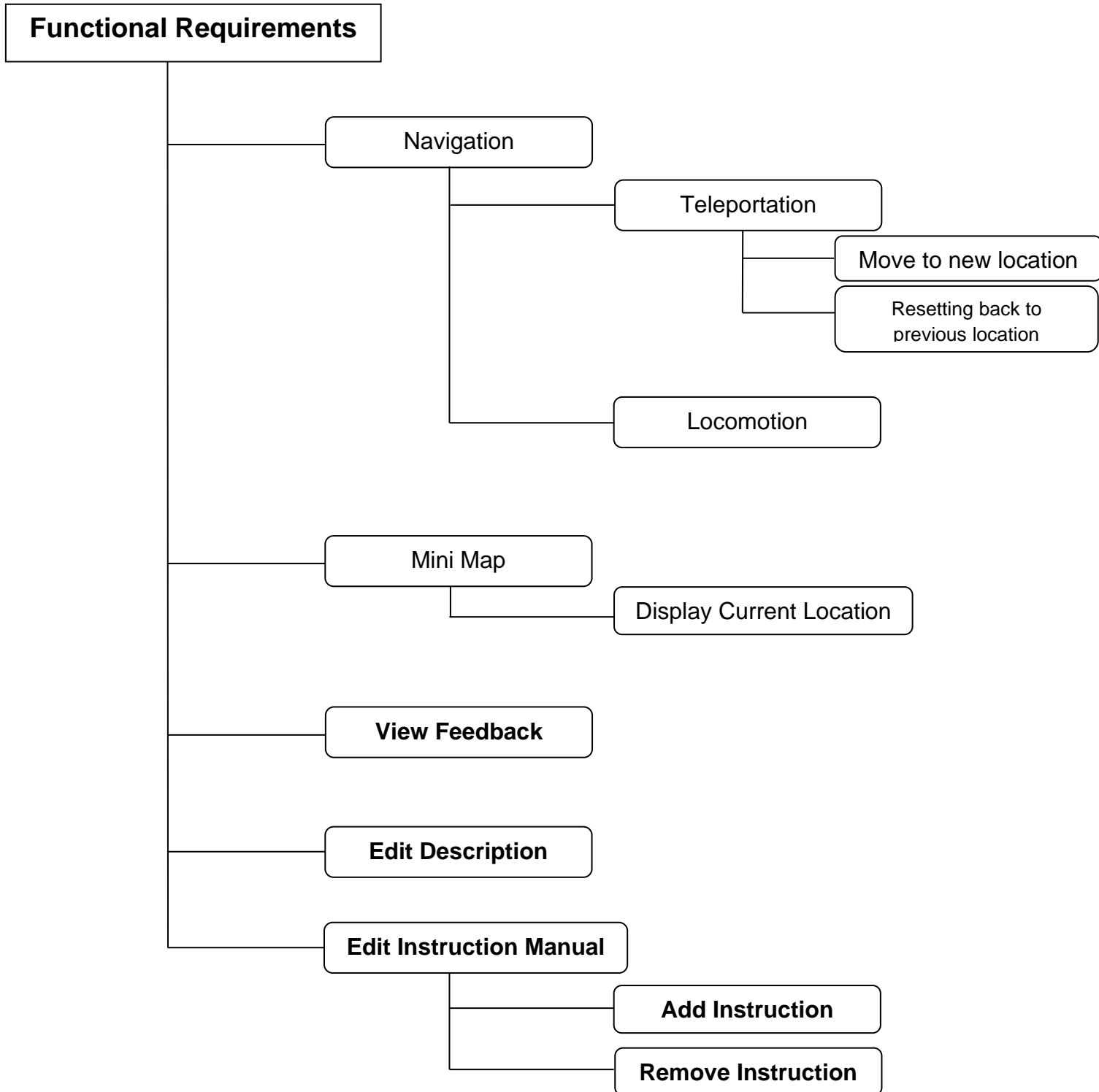
- **Maintaining Notes**

This feature allows the researcher to take notes of his research as the knowledge and learning about the flora and fauna and in general the ecosystem of the place, need to be noted along the way. Also he can edit the existing notes if he wants. It is also a frequently used function as it is the main tool of the researcher without which there is no point of research itself as he cannot remember everything. This function is only available to the researcher group.

- **Navigation**

This is a basic function necessary in the researcher user group also because a researcher has to travel to different places to research the different objects located at various places. This is also a frequent function as navigation is always used whenever the research on a location is finished and the researcher wants to explore a new place. This is achieved by teleportation to a specific location on the map or by traveling nearby distances by locomotion. This function is also available in the tourist user class.

# User Class: Administrator





# User Class: Administrators

**Type:** Vertical Prototype

This class of user has the highest privilege among the other classes and the main aim of these users is to keep updating the description based on the feedback given by the users during their tour. So, administrators will keep on exploring the places in the tribal village and watch the feedback available there and based on the feedback they will edit the description of the objects/place. Only Administrators are able to review the whole feedback as it is not available to the other users. So, the functions corresponding to viewing feedback and editing description is only available for administrators. They can also edit the instruction manual as per the need in order to accommodate updates in the software. It is also a unique class of users.

## Frequently used functions:

1. View Feedback
2. Edit Description
3. Teleportation

## Justification:

- **View Feedback**

One of the main functions of the Administrator is to view feedback of the various places given by tourists and researchers who use the application frequently, in order to improve user experience by changing the description provided. It also helps administrators to know about the pros and cons in the description and take actions accordingly. It is also frequently used by administrators because tourists constantly give feedback and it is required for administrators to review them constantly.

- **Edit Description**

The main purpose of the administrator is to edit the description about the places and flora and fauna based on the feedback given by tourists and researchers. So it is frequently used non-trivial functions for an administrator as it is used in combination with the view feedback function of the administrator. This function is only available to the Administrator.

- **Teleportation**

This is the basic necessary function available to all types of users like tourists, researchers and administrators. Every user class requires teleportation, so that they can visit the places on the map easily. Thus it is also used by the administrator to reach the location of interest in order to change description, immediately. It is not a specific function for the administrator but he uses it frequently throughout using the application.

- **Edit the instruction manual**

The administrator will edit the instruction manual based on the feedback received from the users and as the new updates are incorporated into the model. It is a necessary function because the users might face difficulties while using the interface. Thus, in order to increase the usability, editing the instruction manual from the feedback is the necessary and frequent work specific to the administrators.

## **Common Functions among frequently used functions of user groups**

### **Navigation:**

This function is common for all the users as it is the main requirement to navigate through the virtual world. In the navigation feature, Teleportation is common for all the three users as everyone needs to teleport to a place quickly but locomotion is not available for the administrator as the main work of the administrator is to edit the descriptions on teleporting to that location.