

1. Prototype 1 (Tourist):

a. Navigation

- i. **Non-trivial:** Navigation functionality can be non-trivial for tourists, and providing clear and accurate directions can help enhance their experience and prevent frustration
- ii. **Frequent:** This feature will be used by all the users as they will be moving around and touring the village and all other nearby attractions.

b. Map view

- i. **Non-trivial:** Providing an interactive map, using clear and straightforward language, and including landmarks or notable features in directions can all help improve navigation functionality for tourists.
- ii. **Frequent:** Maps and navigation features provide users an easy way to find their way around an unfamiliar area. They can help users locate their current position and find directions to a destination, making it easy to navigate new surroundings and they also get a real-time update

2. Prototype 2 (Researchers)

a. Creating and viewing notes

- i. **Non-trivial:** Researchers often need to organize large amounts of information, such as research papers, articles, and other sources. Taking notes can help researchers organize and consolidate their findings, making it easier to analyze and synthesize information.
- ii. **Frequent:** Taking notes can help researchers work more efficiently. By summarizing key information and ideas, they can save time when reviewing materials or preparing reports. Hence it is a frequent operation.

b. Download the images/videos

- i. **Non-trivial:** After surveying researchers need to do deep study in their labs. So they will be requiring the media content(photos or videos) to download and analyse by some other software.
- ii. **Frequent:** As a researcher, this task is very frequent. In the actual world also they keep clicking photos wherever they can.

c. Flag Places

- i. **Non-trivial:** Sometimes, they may need to visit the place again (because they missed some information or they want to have a look again). So it is better to flag the places that were visited by them.
- ii. **Frequent:** Multiple surveys can be required for research works.

3. Prototype 3 (Locals)

a. Reporting/Suggesting any cultural information

- i. **Non-trivial:** Reporting or suggesting cultural information can be an important way for local residents to preserve their cultural heritage, build community, support tourism, educate others, and connect with their personal history
- ii. **Frequent:** Local residents often have a strong connection to the cultural heritage of their community. As a result, it is a frequent and important functionality

b. Contributing some media content

- i. **Non-trivial:** Local residents may be motivated to contribute media content to promote their community and showcase its unique features, such as local landmarks, events, and attractions.
- ii. **Frequent:** By sharing photos and videos of local landmarks, events, and other cultural artifacts, local residents can help ensure that future generations have a record of their community's history. Hence they will frequently do this.

4. Prototype 4 (Administrator)

a. **Approve/Deny reports/requests given by Local Residents**

- i. **Non-trivial:** There must be some way to see the requests/reports done by the local user. This is required so that the request/report can be handled.
- ii. **Frequent:** It is required each time a local user gives some suggestion or reports any information given in the project.

b. **Approve/Deny/Block/Unblock users**

- i. **Non-trivial:** The project has three different types of users other than the Administrator. So, researchers and local residents have to first verify their identity, and verification is done by the Administrator.
- ii. **Frequent:** This is required every time a researcher or local user signs up.