*What is the primary purpose of the app?*

We conduct umra trips almost every month and some months more than one umra trip. Travelling might be with bus or flight. Those who are intended to travel with us can be able to register themselves and their dependences at a time. Charges for the infant, children and adult will be different. Payment made by the individual will be entered by the team who is conducting the umra.

*Who is the target audience?*

Three type of audience will be there.

1.       General Public mainly Malayalee community. We will be giving a link for them to enter the data.

2.       Employees (it is currently single person) who will be responsible

a.       to enter the master data like trip dates and fares for infant, child and adult:

                                                               i.      There will be differences in trip charges for those who has multi-entry visa already and not available

                                                             ii.      Some of the persons may not get multi-entry visa then we have to apply for umra visa which may have different rate

                                                            iii.      Fare will vary from depend on the mode of transportation (bus or flight)

b.      Payment details entry

3.       Management

a.       They will be able to view the status

b.      They will be able to approve some discounts or anything required.

*What problem does this app solve for users?*

Visibility of the activities to the management and smoothen the entry details and also document verification can be easily done prior to fulfilling the commitment

***Functional Requirements***

1.       A potential traveler might change their mind or due to some reason required to cancel the travel so this facility should be there.

2.       Payment slip can be uploaded by the traveler. And approval should be done by the employee or management

3.       Part payment is possible so balance should be always visible to both traveler as well as management and staff

*What are the core features of the app?*

1.       Master entry by the management or staff

a.       User management such as management or staff

b.      Trip details with fare

2.       Automatic use creation with the mobile number by the general public so as to enable them modify any dependence details

3.       Uploading files

4.       Capturing payment slip using camera

5.       Trip maybe in bus(es) or flight

*What are the nice-to-have features that could be added later?*

*Will the app require user accounts and authentication?*

*Does the app need to work offline?*

*Will the app integrate with any third-party services or APIs?*

***Technical Requirements***

*Which platforms should the app support (Android only, or iOS as well)?*

Android

*What's the minimum Android version to support?*

Latest one and just prior to it

*Are there any specific devices the app must work on?*

No restrictions

*Will the app need to access device features (camera, GPS, etc.)?*

Camera only

***Design and User Experience***

*(colors, fonts, logos)?*

*Should the app follow Material Design or a custom design system?*

***Data and Backend***

*What kind of data will the app handle?*

*What are the data storage requirements?*

***What Features Do You want for your App?***

*DATABASE DESIGN*

Users

|  |  |
| --- | --- |
| User\_ID | NUMBER(10) |
| UserName | VARCHAR2(15) |
| PWD | VARCHAR2(15) |
| ACTIVE\_YN | VARCHAR2(1) DEFAULT ‘Y’ |
| MOBILE\_NO | NUMBER(10) |

TRIPS

|  |  |
| --- | --- |
| TRIP\_ID | NUMBER(10) |
| TRIP\_START\_DATE | DATE |
| TRIP\_END\_DATE | DATE |
| ACTIVE\_YN | VARCHAR2(1) DEFAULT ‘Y’ |
| AMEER | VARCHAR2(100) |

PERSONS

|  |  |
| --- | --- |
| PERSON\_ID | NUMBER(10) |
| PERSON\_MOBILE | NUMBER(10) |
| PERSON\_NAME | VARCHAR2(50) |
| PERSON\_SHORTNAME | VARCHAR2(20) |
| TRIP\_ID | NUMBER(10) |
| ACTIVE\_YN | VARCHAR2(1) DEFAULT ‘Y’ |
| FARE\_AGREED | NUMBER(5) |
| FARE\_PAID | NUMBER(5) |
|  |  |

PASSENGERS

|  |  |
| --- | --- |
| PAX\_ID | NUMBER(10) |
| PERSON\_ID | NUMBER(10) |
| PAX\_NAME | VARCHAR2(100) |
| TRIP\_ID | NUMBER(10) |
| DATEOFBIRTH | DATE |
| PASSPORT\_NO | VARCHAR2(15) |
| PASSPORT\_EXPIRY | DATE |
| VISA\_TPE | CHAR(1) --- P=PERMANENT V=VISIT |
| VISA\_EXPIRY | DATE |
| FARE | NUMBER(5) |

PAYMENTS

|  |  |
| --- | --- |
| PERSON\_ID | NUMBER(10) |
| PAY\_DATE | DATE |
| PAID\_AMOUNT | NUMBER(5) |
| CASH\_BANK | CHAR(1) --- C – CASH  B--BANK |
| PASSPORT\_NO | VARCHAR2(15) |
| PASSPORT\_EXPIRY | DATE |
| VISA\_TPE | CHAR(1) --- P=PERMANENT V=VISIT |
| VISA\_EXPIRY | DATE |
| FARE | NUMBER(5) |