App Name: বঙ্গ পিডিয়া (Bongopedia)

Objective :

- A wide range of destinations can be found on this handy app, from waterfalls to ancient tombs. To begin with, Sites in VR offer fascinating and high-quality images in 3D and 360 degrees too.
- Its goal is to transport you mentally to a different location, immersing you all but physically in that world.
- One of the greatest strengths of this app is allowing the user to experience the feeling of "being there".

Features :

- At the home page there'll be four categories of destinations –
    1. Historical places
    2. Tourist places
    3. University campuses
    4. Clubs and stadiums
- All these places are for tourists to explore. In the historical places category, users can behold the beauty of mosques, tombs, churches, temples. In the tourist places section, the user can catch sight of museums, hill tracks , waterfalls , sea beaches, and Intercontinental hotels. In the University campuses section, the enthusiasts can experience the breathtaking beauty of Dhaka University campus, Chittagong University campus, BUET campus, Curzon hall, TSC and other campuses. There will also be shooting clubs, Golf clubs and stadiums for enthusiastic and visiting players in this Clubs and Stadiums section.
- The user can search any location of his interest from the landing page just by typing the name of the place.
- A user can tap onto any of the categories above and see the places which fall into that category. Search results can be filtered out by division or by district.
- Just tap a picture that appeals to you and a profile will appear, containing a description and buttons to share, download, and stream the production. The user can choose to view it in VR mode and can experience the scenarios.
- This app offers to make bookings of hotels and to purchase tickets of cricket or football matches.
- The app's settings are fully adjustable too. Tailor your experience by changing the VR brightness, screen rotation, tool and visibility.

Practical uses :

- Tourists and people who love travelling are the targeted users of this app.
- This app lets people use google maps to navigate to your destination.
- If anyone ever visited a historic landmark and wished he could turn back the clock to get a first-hand look at past events, he can surely use this app to have that experience.
- It can help to create VR tourism content for social media/websites and have an influence on other people.
- This app offers virtual hotel tours.
- This app is capable of showcasing 360 degrees of a destination in high resolution and enabling the user to explore a scene at their own will.

Implementation:

The app is implemented using Android studio and Flutter UI Toolkit.

- Material UI is used in frontend design. Therefore, the UI becomes more interactive to the user.
- SQLite database will be used for local data management of the app.
- flutter-panorama and flutter-imageview360 packages will be used for image processing in VR.
- Used wiki API (web) to fetch data from wikipedia and added to our app database.

Conceptual UI design of this app:

Screen 1:
☰ ⬡S
| Logo | Bongopedia |

Historical Places

Tourist Places

University Campus

Clubs and Stadiums

Screen 2:
← ⬡S

Historical Places

Screen 3:
Search bar

Filter by Division

Filter by District

History

Screen 4:
← Place - 1

Picture & Video

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Play in VR

Slide Show

Address

Description and Audio