Third Year Mini Project SEM 2

Museum Go!!!!

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Guided by:

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PROJECT TITLE:

Museum Go

Technical Area(s) Explored:

Android, Natural language processing, DBMS

Application Domain(s):

Tourism

Application User(s):

Visitors, Travelers

Benefit of Project:

- Application will reduce the expenses done in hiring a guide in National parks and other historical places or museums.
- Application will make it more convenient for a visitor to get information in required category like expert, Novice or Medium

Assumptions:

- Visitor has the android application.
- The headphones are available with visitor (in case of speech based information)
- Net connection is available.

Abstract:

Whenever we visit any museum, it is quite obvious that we hire a guide in order to get full-fledged information about the different historical artefacts. But it is often seen that they charge a lot of money. Also sometimes it happens that they give the wrong or incomplete information about particular artefact. Many foreign visitors don't get the information in their respective local languages. Children normally want the novice information but they need to hear the complicated version of information. In order to overcome such problems, we will be providing the android application.

Objectives & Scope:

To provide the easier and cheaper way of getting information about the artefacts in museums.

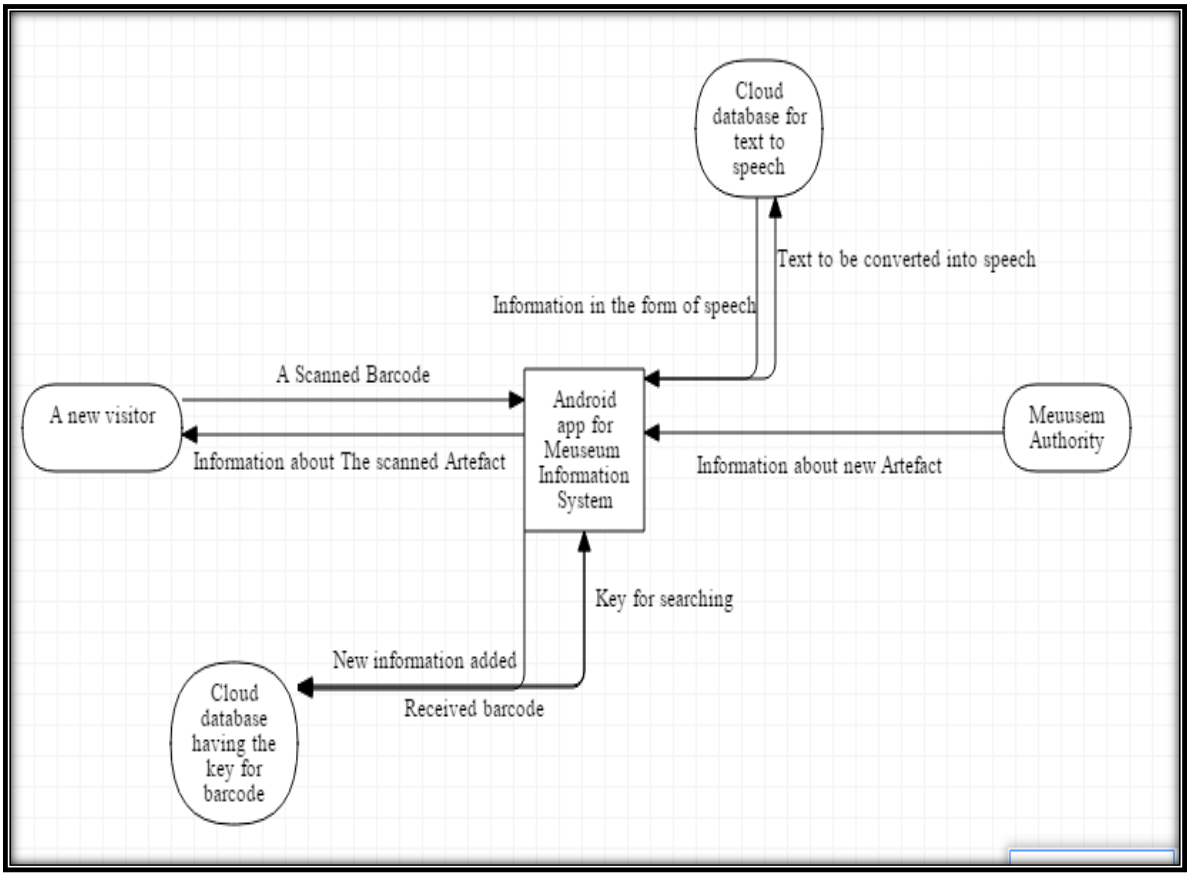
- Current Scope: Museums.
- Future Scope: The same application can be customized for different Science parks, botanical gardens, forts, art, exhibitions to provide information about artefacts.

System Configuration:

- Operating System: Compatible Android Version
- Hardware: Headphones to listen audio based information
- Development tool: Android Studio
- Language: Java,XML
- Data: Information about the artefacts in museum
- Database:

Methodology:

Context Diagram (Scenarios)(Data Flow Diagram level 0)



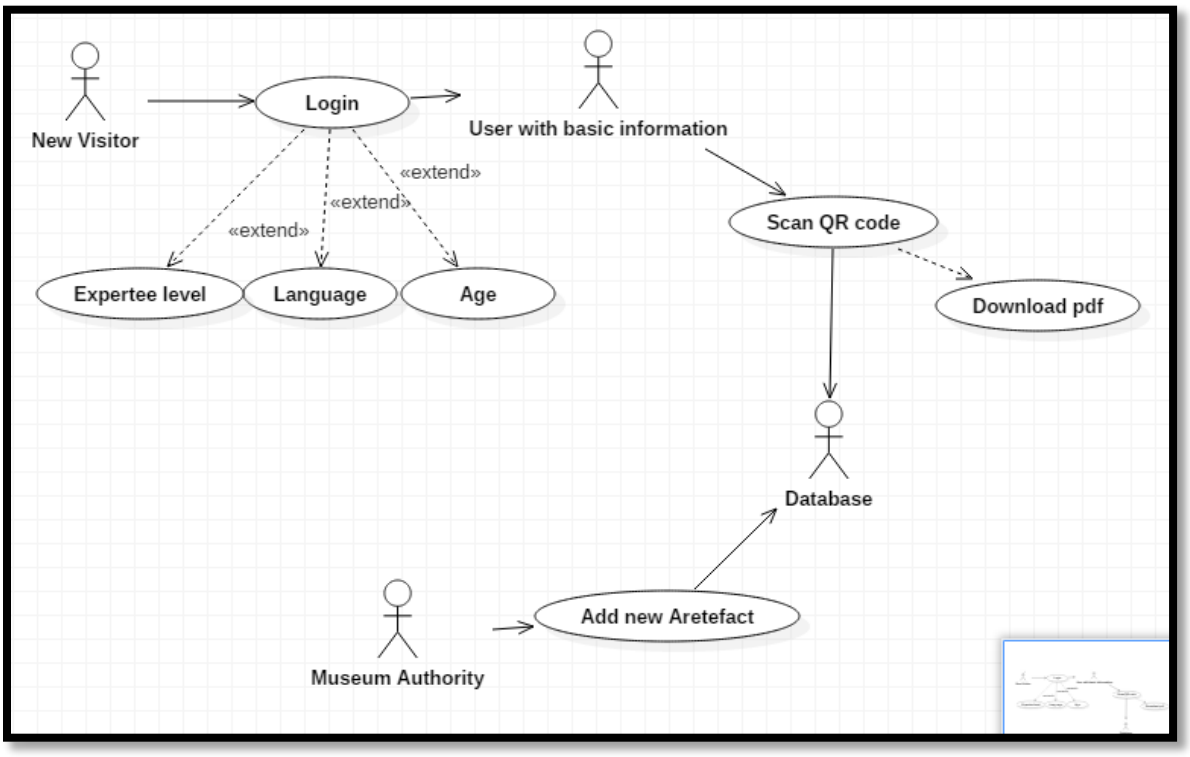
Methodology

MODULES:

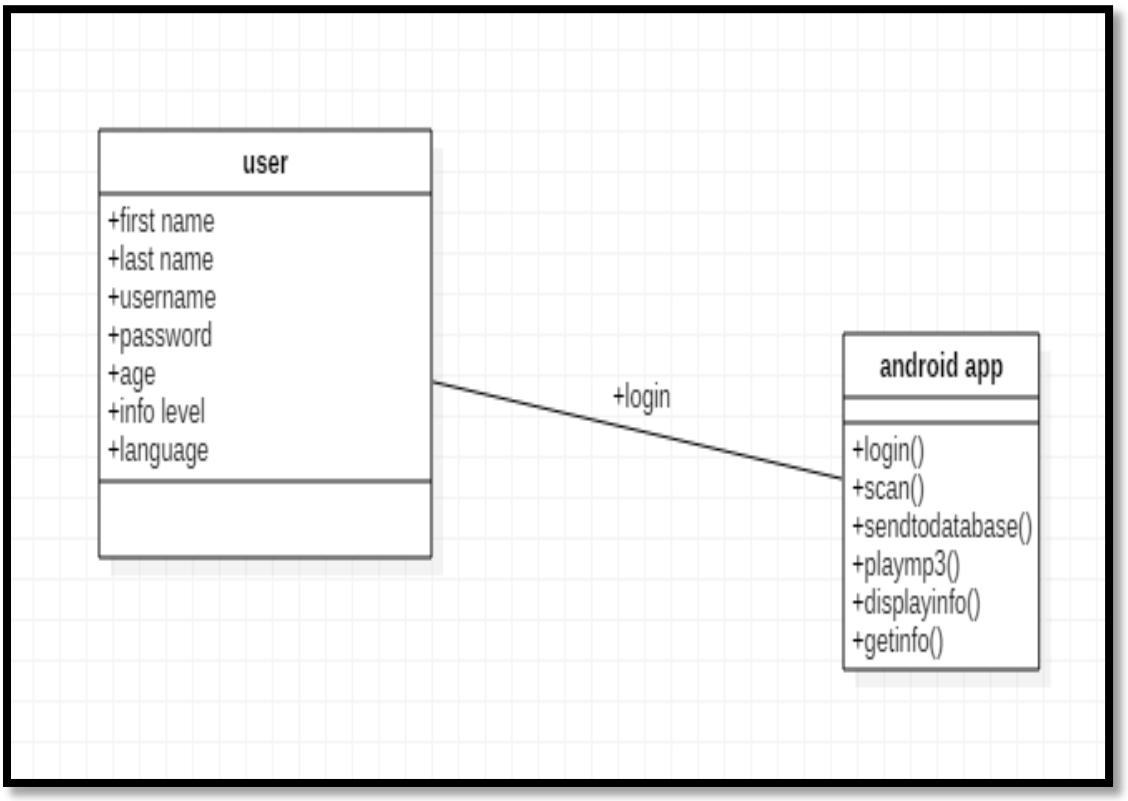
- **Module Login:** User needs to login to the System with appropriate credentials like language, age, extent of interest, etc.
- **Module UI:** Here doctor will be provided with the different functionalities like opening new report, display.
- **Module QR Code:** User will scan the QR code and he/she will get the information in the form of text. If the user want the information in the form of speech he/she will select the speech option.
- **Module for information display:** In this UI the user can read the information. There will be some other functionality like speech form, Download pdf of info, change the category, ask question, etc.
- **Module Map:** This will facilitate user with the map of museum.

Project Design:

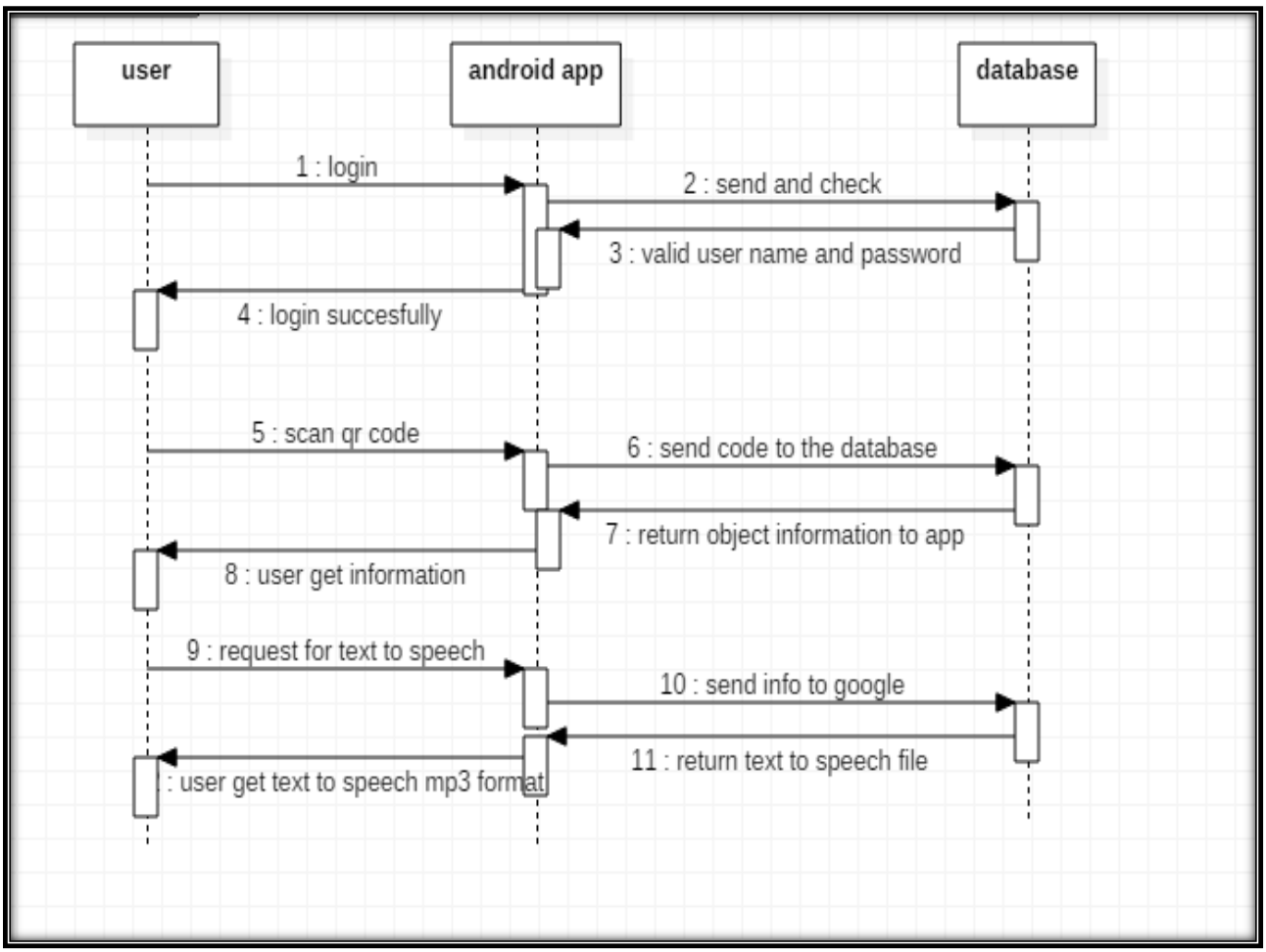
Use Case diagram:



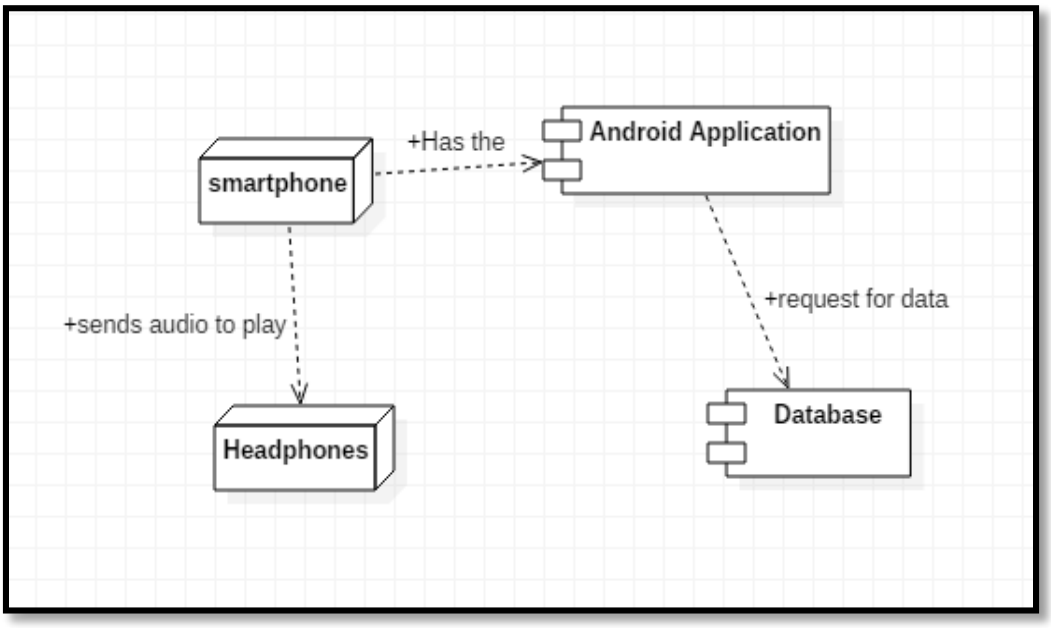
Class diagram:

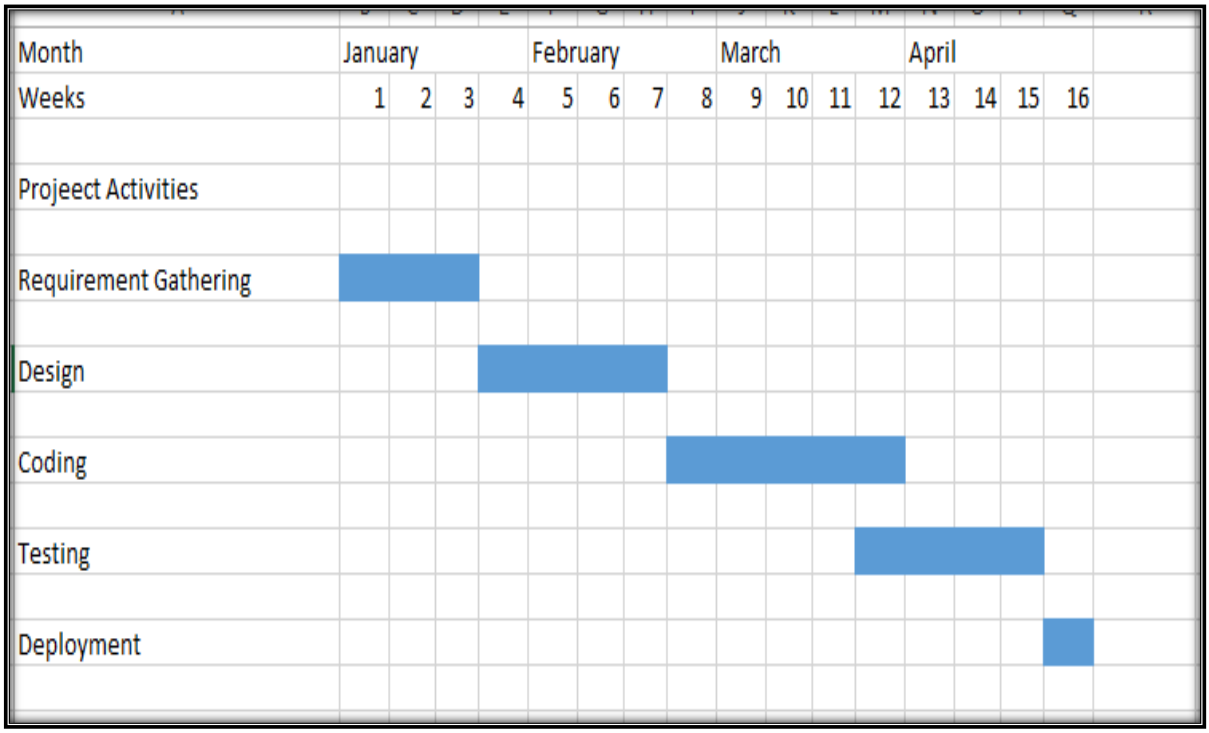


Sequence diagram:



Deployment diagram:



Project Management:

Gantt Chart