Introduction

This paper is going to include the architectural description of the system. in addition to this it will have the description and decomposition of the modules.

This paper is all about the architectural and structural view of the system. This is very important to the software development because it will have a brief description of the system that is going to be built and also it will have the detailed knowledge on the modules that are going to be developed.

Some of the topics covered here are going to be directly converted to the implementation phase or the concepts are going to be converted to code.

The limitation of this documentation is, as said in the SRS documentation the concept of design we are using to develop this system is agile so, it is going to be very dynamic and changeable. In addition to this while development some changes may be done without the guide of this document so the listed configuration of the system down below my change through time.

To conclude, this documentation says to the developer how the system will work. It even tells how the modules are classified and how they work.

Architecture overview

The architectural style used here is going to be the most commonly used and most understandable way of implementing currently emerging systems, which is the MVC architecture.

Which this model is generally all about division of the work of classes. It has three components: -

* The view: It is the component that is responsible for displaying the information of the system. in our system, the web uses html and partly php and in the android system it uses XML. It is used for interaction between the user and system. or it is generally called us front end development.
* The model: This component is the component where the data interaction is available between the view(front end), and the database. This component accepts data from the users manages it and sends it to the controller, the controller analyses the data in to query and does the CRUD operation and then sends back to the model and the model sends the organized data to the view. In our web system this is done using PHP, in the android system it uses PHP and java.
* The controller: This component is the part where there is interaction between the data that came from model and the database. It changes the data that came into a query for the sake of data manipulation from database. In our web system this is done using PHP, in the android system it uses PHP and java.

The deployment model

In the deployment aspect we are thinking of using the 3-tier architecture. Because we need our system to get no bottle necked and crowded. Instead of describing it, the below diagram will tell more on how it works.

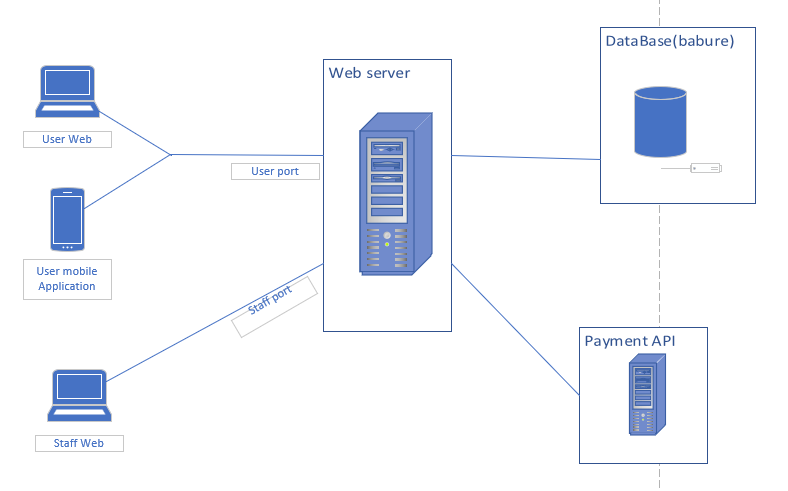


Figure 3.1 deployment diagram