Chapter 0

Synopsis

Title of the project

Find My Stuff

Statement about the problem

To develop an android application that will help the college students and faculty find their lost goods. Also, they can report any lost items that are found. The various functions provided are reporting lost goods, posting and listing the found items, etc.

Why this topic?

Finding lost items proves to be very difficult and requires plenty of enquiring throughout the college premises, which requires a lot of hard work. There is no way or medium to contact someone who might potentially possess the lost item. Also, if someone does manage to find an item, they can't report it or are unable to reach out to the owner. Hence, the aim is to connect the owner and the potential student or faculty possessing the item.

Objective and Scope

The scope of the project is Vaze College and the students and faculty currently a part of the college.

Objectives: -

i.   To reduce the efforts required to enquire multiple people throughout the college.

ii.   To find and return the goods to the owner.

iii.   To provide a platform to list found items and to find its owner.

iv.   To reduce the time and effort required in the process.

v.   To connect the owner and potential student or faculty possessing the item.

vi.   To increase the probability of finding valuable items.

vii.   To help the reported item listing to reach a large number of people

Methodology

For this system, I would use an iterative approach. The advantages of this approach are: -

   i.   Feedback from one interaction may improve the other iteration

   ii.   Increments are delivered and developed.

Disadvantages are: -

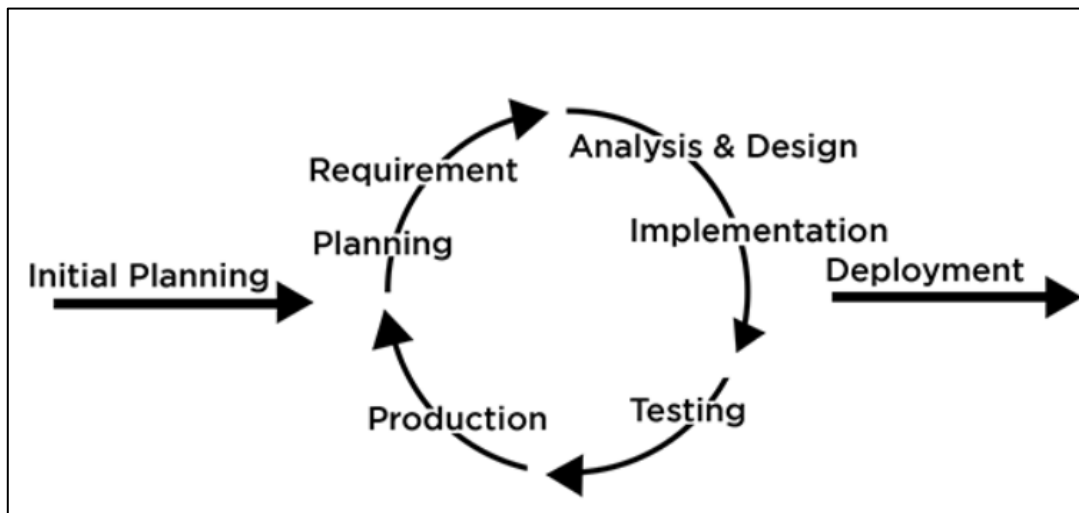   i.   Later, increments may require modifications to earlier increments.

Figure 0.1 Iterative development methodology

Proposed Architecture

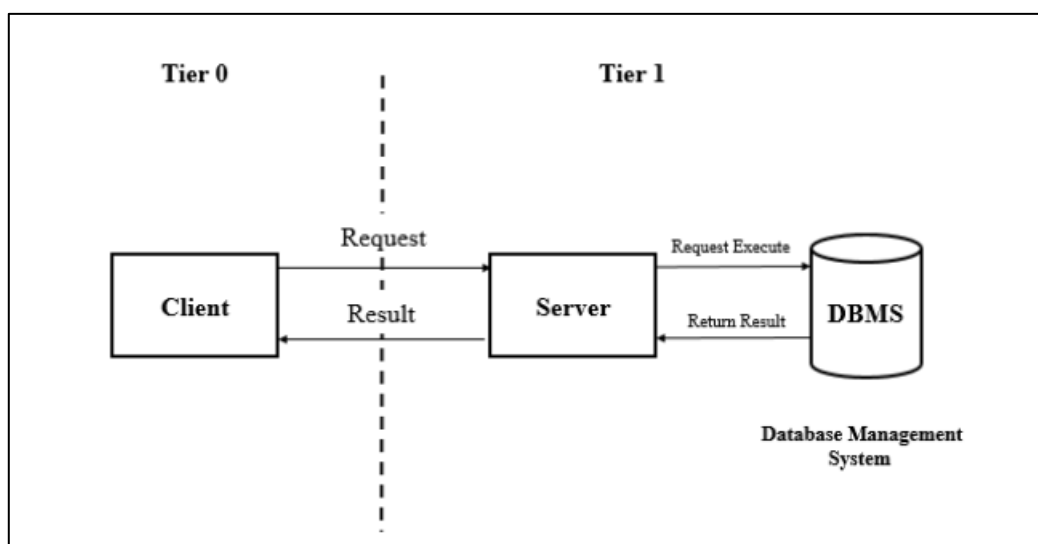The application would be developed using a client -server 2 tier architecture.

Figure 0.2 Client server 2 tier architecture

Requirements

1. Software Requirements
   a. Operating system: 64-bit Windows 8 or higher
   b. Database: MySQL
   c. PHP
   d. XML
   e. Java

2. Hardware Requirements
   a. Processor: Intel Core Duo 2.0 GHZ or AMD Athlon CPU or newer
   b. Ram: minimum 8GB
   c. Hard-Disk: 256 GB SSD, 8GB of available disk space
   d. Monitor: 1200 x 800 minimum screen resolution

3. Platform
   a. Android Studio

Contribution

Locating and finding items becomes very stressful and difficult as it involves enquiring a bunch of students and staff. These students and staff might not always be the right people to help in finding the items. This app helps simplify this stressful process. It would reach out to a large number of students and hence the chances of finding the items increases, saving time and efforts in doing so.

Conclusion

The application aims to streamline the difficulty of finding and reporting a lost item. By doing do, it saves a lot of time and efforts in locating the lost item by connecting and reaching out to a large number of students.