Major Project

On

Capgemini Classifieds

Submitted by

JavaScript Full Stack batch

(Started on July 4th2018)

Under the guidance of

Aditya Bokade



**SRS Document**

September 2018

1. **INTRODUCTION**

The purpose of this document is to build an online system where a user can post advertisements to sell an item or can see the posted advertisements.

**INTENDED AUDIENCE AND READING SUGGESTIONS**

This is a prototype of advertisement management system and it is restricted within the organization.

**Purpose**

The purpose of the online advertisement system is to ease the process of selling and buying items within an organization. We will have database to support advertisements over all the geographical locations where the organization is operational.

## 2. OVERALL DESCRIPTION

The advertisement management system will work as a one stop solution for posting as well as searching for items. To ease the user experience the advertisements will be distributed over various categories which can be sorted, filtered or can be searched by specific keywords. To maintain the reliability of the system each advertisement will be verified before being visible to the users. To create a convenient and useful application a personalized portal will be available for each user from where he can post advertisements, manage his previous posted advertisements, his subscriptions as well as favorite ads.

**USER CLASS and CHARACTERISTICS**

User of the system should be able to retrieve information posted regarding an advertisement. He can send a message to the contact person or can see the contact information given by the person to contact. He can look up for a specific item by applying filters according to his requirement (location of the item posted, price expected etc.). User can subscribe to a particular advertisement or a specific category so that a notification is send to the person once a new ad is posted or an update is being made. User can also give reviews for a seller.

As a seller a user can post advertisement to sell an item which can be done by answering few easy but relevant questions. Through his personalized portal he can manage his previously posted ads or can delete them.

**OPERATING ENVIRONMENT**

Operating environment for the advertisement management system is as listed below.

* client/server system
* Operating system: Windows.
* database: Mongo dB
* front-end: Angular Framework, React JS library, Bootstrap,
* backend: Express JS
* Server system: Node JS

## 3. EXTERNAL INTERFACE REQUIREMENTS

**USER INTERFACES**

* Front-end software: Angular, ReactJS
* Back-end software: Mongo DB

**HARDWARE INTERFACES**

* Windows.
* A browser which supports CGI, HTML & JavaScript. i.e. Internet Explorer 9 and above

**SOFTWARE INTERFACES**

Following are the software used for the advertisement management online application.

|  |  |
| --- | --- |
| **Software used** | **Description** |
| Operating system | We have chosen Windows operating system for its best support and user-friendliness |
| Database | To save the Advertisement records, user records we have chosen Mongo DB database |
| Angular JS and React JS | To implement the project we have chosen Angular and React framework for its more interactive support. |

**COMMUNICATION INTERFACES**

This project supports all new web browsers and I.E 9 and above. We are using simple html forms and bootstrap tables to showcase data.