



Wifistudysrs - srs on online test-wifistudy.com

Software Engineering (Lovely Professional University)

**CSE 320**



# **SOFTWARE REQUIREMENT SPECIFICATION**

**FOR**

**ONLINETEST-WIFISTUDY.COM**

**SUBMITTED TO: SAMREEN MA'M**

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# 1. INTRODUCTION

## 1.1 : Purpose:

The purpose of this document is to present a detailed idea and description of the requirements for the Wifistudy.com. It will also give us the brief about purpose and complete declaration for the development of system. It will also explain system constraints and interface. This document is a reference for developing the first version of the system for the development team.

## 1.2 : Scope:

Wifistudy.com is an online platform that empowers every person in the world to independently connect with experts online.

While interacting with other users on this site you can seek all your answers. This online platform provides a perfect scenario for learning. This can be said that using this platform one can prepare for the various exams. There are online test session and mock test paper included for every test to ensure your success.

This software needs Internet for connecting with expert and giving test. System information is maintained in a database, which is located on a web-server.

## 1.3 : Intended Audience and Reading Suggestions:

Wifistudy is an online platform for all the people who wants to learn something or clear some exam or doubt. This srs is designed for the project development team. The manager, developer, coder, tester and the user also.

## 2. OVERALL DESCRIPTION

### 2.1 : Product Perspective

The Online Learning system (OES) application enables Users to setup their own profile according to their personal interest. This then later help in choosing a perfect scenario for them. In this case usually some kind of government exam or some Job exam. Then user can take mock test or join online test series. If User is enthusiastic enough then they can setup their own quiz.

Use of Wifistudy.com is not limited to any country, however it mainly focus its attention on the India. All the test and exam including job alert are intended towards Indian citizen.

### 2.2 : Product functions

The Site contains content which includes User's Information, Wifistudy's information and information from other users. The users agree not to copy, modify, or sell such.

When we sign up for the Wifistudy.com then we all are giving this website permission to hold our info and use it for its advertising purpose. User are not allowed to use the mock test and other online sessions as a selling medium. User are also not allowed to use abusing words.

We reserve the right to remove any such content where we have grounds for suspecting the violation of these terms and our Listing Policy or of any party's rights.

### 2.3 : User characteristics

Use of **www.wifistudy.com**, is either by registration or by any other means, is available all the persons, but to due to its content it is mainly for those who are Citizens of the Republic of India, and there is no age limit for the user as long as you want to learn that is. There is also no guarantee provided by the site that by doing the mock session and the online one you can definitely crack the exam. This website is only there to guide you towards your goal.

### 2.4 : Product Environment

This website is designed to run on any system any machine and any operating system like Windows, Ios, and Linux. The only requirement is that a web browser is needed with an internet on system to access it.

### 2.5 : Design and Implementation Constraints

- All the details and information of user off this system is accessible by wifistudy which is to be stored in database.
- Details of user should be correct.
- User could use this product on any system with just internet on it.

## 2.6 : Assumptions

User has enough knowledge to operate computer and work on internet. User should know the language in which the product is developed.

## 3.

## FUNCTIONAL REQUIREMENT

### 3.1 : Description

#### 3.1.1 : Sign up

- **Description:** To Use this website user should first sign up for this product.
- **Input:** User should enter his details like name, email id, address.
- **Output:** Confirmation message signed up successfully.
- **Process:** Details stored in data base.

#### 3.1.2 : Log in

- **Description:** User enters username and password for logging in.
- **Input:** Username and password in alphanumeric value.
- **Output:** Confirmation message for login else failed.
- **Process:** Checking whether values are true or not.

#### 3.1.3 : Search

- **Description:** Searches for the type of test user wants.
- **Input:** Test/Job/Subject User wants
- **Output:** Matched item shown
- **Process:** Items are searched in the database

#### 3.1.4 : Categories

- **Description:** It filters all the items according to the User needs.
- **Input:** Click on 'sort by' and then choose criteria on which you want to filter the items.
- **Output:** The user gets a sorted list of items so that it is easy for him/her to search the Test / Job /subject required.
- **Process:** The items are filtered according to the criteria given by the customer.

#### 3.1.5 : Reset password

- **Description:** If user forgot password then there must be RESET PASSWORD option.
- **Input:** Enter Email or mobile number and NEW PASSWORD.

- **Output:** Confirmation message says password changed successfully.
- **Process:** Checking whether email or mobile number is valid and sending an OTP to mobile number and email id after that if OTP is valid than asking for new password and updating it in database.

### 3.1.6 : Feedback

- **Description:** User could give feedback if user wants.
- **Input:** Feedback given by customer as per his/her experience after using the Website, or things he would like to update.
- **Output:** Rating is shown to user.
- **Process:** Ratings saved in database.

### 3.1.7 : Logout

- **Description:** After completing work on website user could logout if he wants.
- **Input:** Click in on log out button on screen.
- **Output:** Confirmation message logout successfully.
- **Process:** Save the user progress in database and log out from his profile.

### 3.1.8 : Contact Us

- **Description:** If user wants to contact the admin of site or wants to contact the expert.
- **Input:** User need to give his Email, name and phone number. Then the message or otherwise can choose WhatsApp as a medium.
- **Output:** User will be given a token no of their message and can be used in future.
- **Process:** Save the message in the name of user and its Email address and then store in database then give user a Token for future references.

### 3.1.9 : Doubt

- **Description:** If user has a doubt in mind then he can ask about it to expert.
- **Input:** User will type his doubt in the field mentioned.
- **Output:** The answer will come if the question is previously answered if not then will be given a token number. Then Message will be replied within 2 working days.
- **Process:** Message will be send to all admin and other expert user for advice and when the best action will be selected.

### 3.1.10 : Discussion

- **Description:** If user wants to discuss something with another user.
- **Input:** Discussion topic or the question.
- **Output:** A post of your discussion where you can see all the user expert comment.
- **Process:** A post is generated and then all user can see and comment it according to there are of expertise.

### 3.1.11 : Job

- **Description:** If user wants to work for Wifistudy then he can register himself.
- **Input:** User need to give his/her qualifications and his area of expertise.
- **Output:** User will be given a roll no. and then will be called for interview if his qualification is approved by admin.
- **Process:** All the qualification will be sent and stored in database and then the validity of qualification will be checked after that user will be given an application no.

### 3.1.12 : Online test

- **Description:** User wants to give test for preparation of the real test.
- **Input:** User needs to give his info his name, mail and password.
- **Output:** Test will be started as soon as User credential are verified.
- **Process:** After user submission the credential will be verified and then the test starts from the database.

### 3.1.13 : Mock test

- **Description:** If user wants to download the mock test for the exam.
- **Input:** User will give the name of exam and then type mock test.
- **Output:** User will be shown the mock test of the particular type he has chosen.
- **Process:** User keyword will be searched in the database and then result will be shown accordingly.

### 3.1.14 : Previous Papers

- **Description:** If user wants previous year question paper.
- **Input:** User needs to define the test name.
- **Output:** User will be shown the previous year paper of the particular type he has chosen.
- **Process:** All the previous year paper that resembles the keyword what user has typed will be searched in the database and then shown.

### 3.1.15 : Comment

- **Description:** If user wants to comment on any question or answer.
- **Input:** User needs to type his comment.
- **Output:** User will be shown his comment under the post.
- **Process:** All other user concerning the post will be notified and the comment will be stored in the database.



## 3.2 : Requirements of the system for the user

### 3.2.1 Connectivity

- **Description:** Internet connectivity validation
- **Input:** Sending data to internet to check whether internet connection is there
- **Output:** Confirmation message successfully connected to internet else no internet connection
- **Process:** establishing connections with server

## 4. INTERFACE REQUIREMENTS

Various Interfaces could be: Login form, Search Engine, Latest Updates, job search.

### 4.1 User Interface

The webpage user interface should be intuitive with easy to use functions and easy to understand graphics. The website should be responsive on web enabled device.

### 4.2 Hardware interfaces

This is just pure software which do not require hardware, but to manage the database we require some hardware.

### 4.3 Software interfaces

The communication between the database and the web portal consists of operation concerning both reading and modifying the data, while the communication between the database and the users consists of only reading operations and can modify their own information.

## 5. NON-FUNCTIONAL REQUIREMENTS

### 5.1 Permit

Use of this site, can be done through registration and is favourable only to persons, who are Citizens of the Republic of India and above 18 years and persons who are interested to learn.

### 5.2 Security Requirements

- Database should be secure.
- User should be authenticated.

### 53 Services

Further, user's interactions with organizations and/or individuals found on or through the service, including Discussion or job hiring will be done on the basis of user qualification. If found illegal then user will be disqualified from the job hiring process and his or her account will get banned for the site access. After that he can no longer access the database.

## 6. ADVANTAGES

### 1. Save time.

User can setup an exam in such a way that it will auto-grade itself. If user only use multiple choice questions you never have to check an exam again. The online exam system will take care of that stuff.

The distribution of the exam doesn't take you any time. Just upload the email addresses of user and send them an invite. And after the exam they get their result instantly.

### 2. Saves you money.

You don't need to buy any paper. Sending an email is free. On top of that you save on the logistics: user don't have to assemble in classroom to take the exam. They can do it within a given time frame from their own device. User don't have to attend institute or classroom for the examination. You don't have to hire someone to check the students taking the exam.

### 3. Saves student money.

Students don't have to travel to a specific location to conduct the exam. So even for students from remote area's it's possible to take the exam.

### 4. Secure.

You can make a big question bank with a lot of questions. Every student gets a random selection from that question bank. So, it's of little use to share the questions among the exam takers to give them a head start.

### 5. Lecture notes.

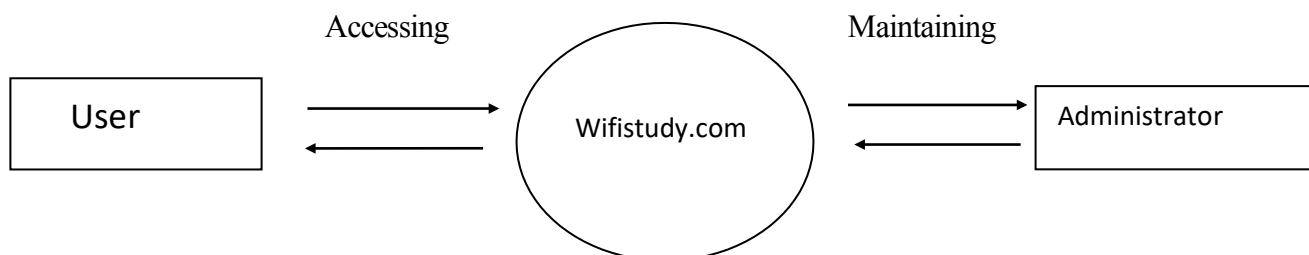
Teachers are available to teach the users of this portal. They are providing lecture notes and videos of the specific topics.

## 7. DISADVANTAGES

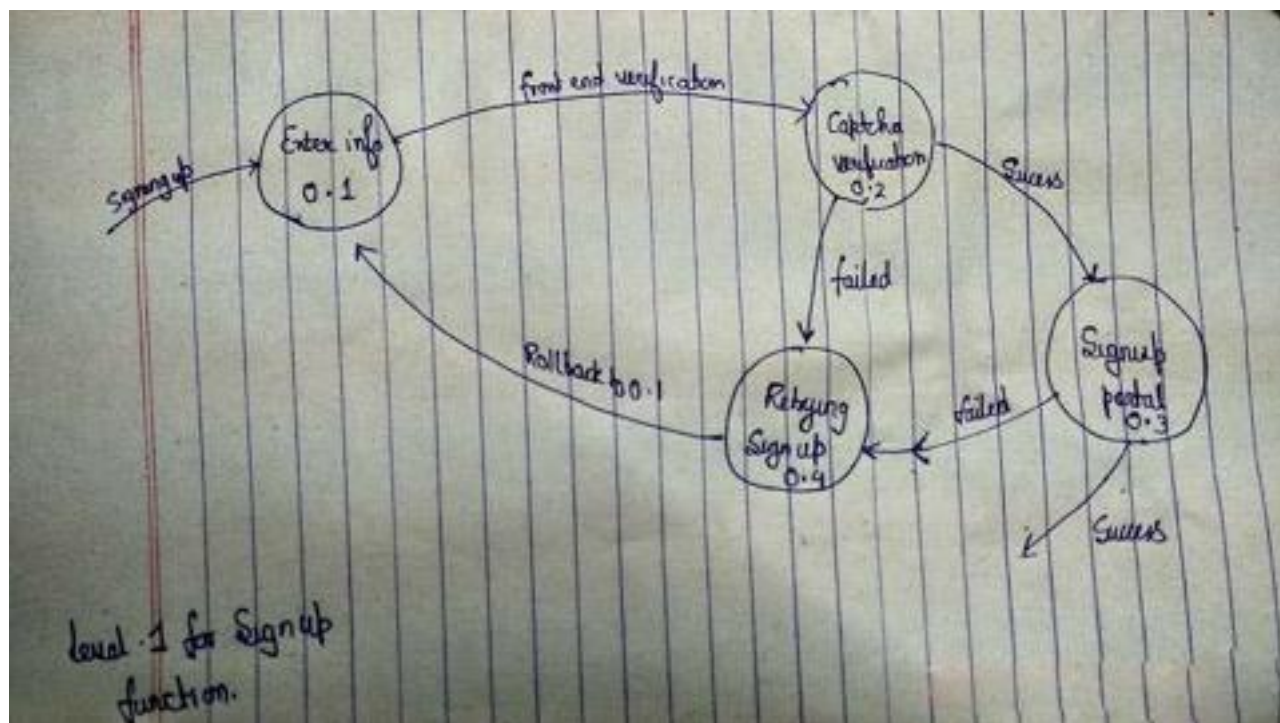
1. User will take the exam on their own device in their own time with nobody is to check up. So, user have to alter the questions to provide for this situation. Users may refer a books or internet to find the answers for the questions. So, admin can add a timer to each question so there is no time to search for the answer.
2. Open text questions are possible, but they don't auto-grade, so you have to check them yourself.
3. The results can be published public. So, they need to be private as, the result need to be published in their mail.

## 8. DATA FLOW DIAGRAM

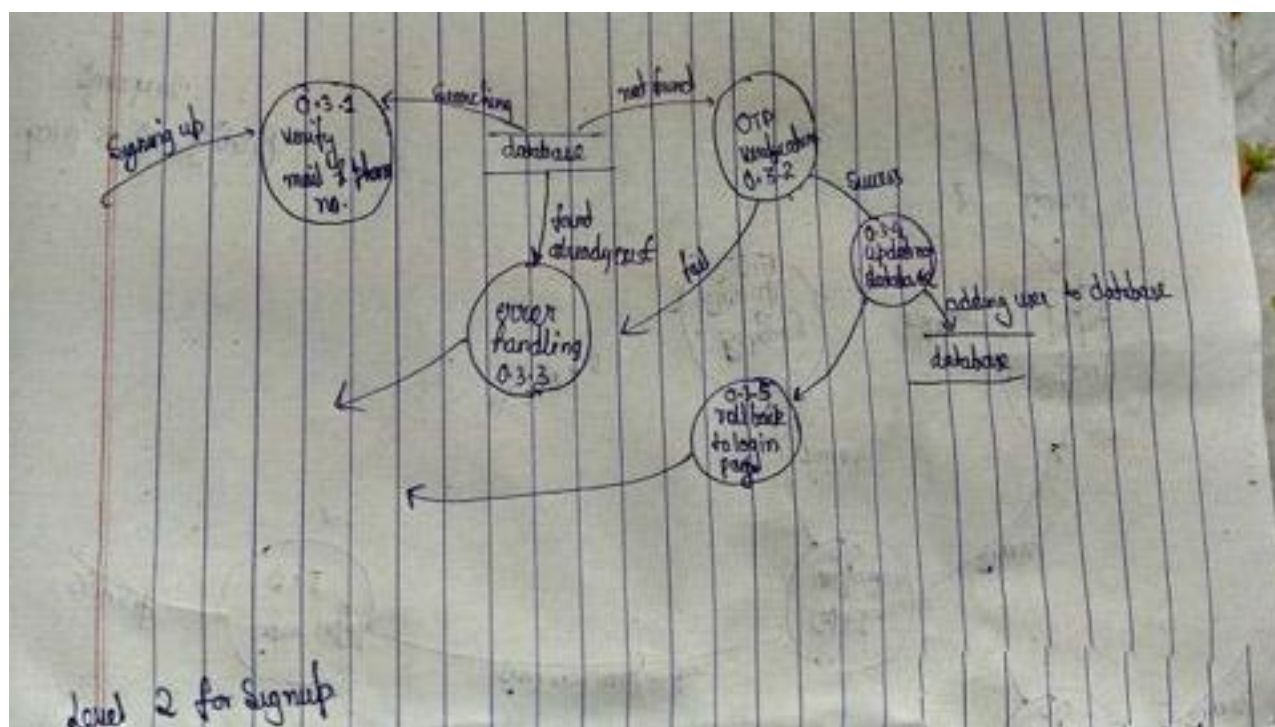
**Level 0 for Wifistudy.com:**

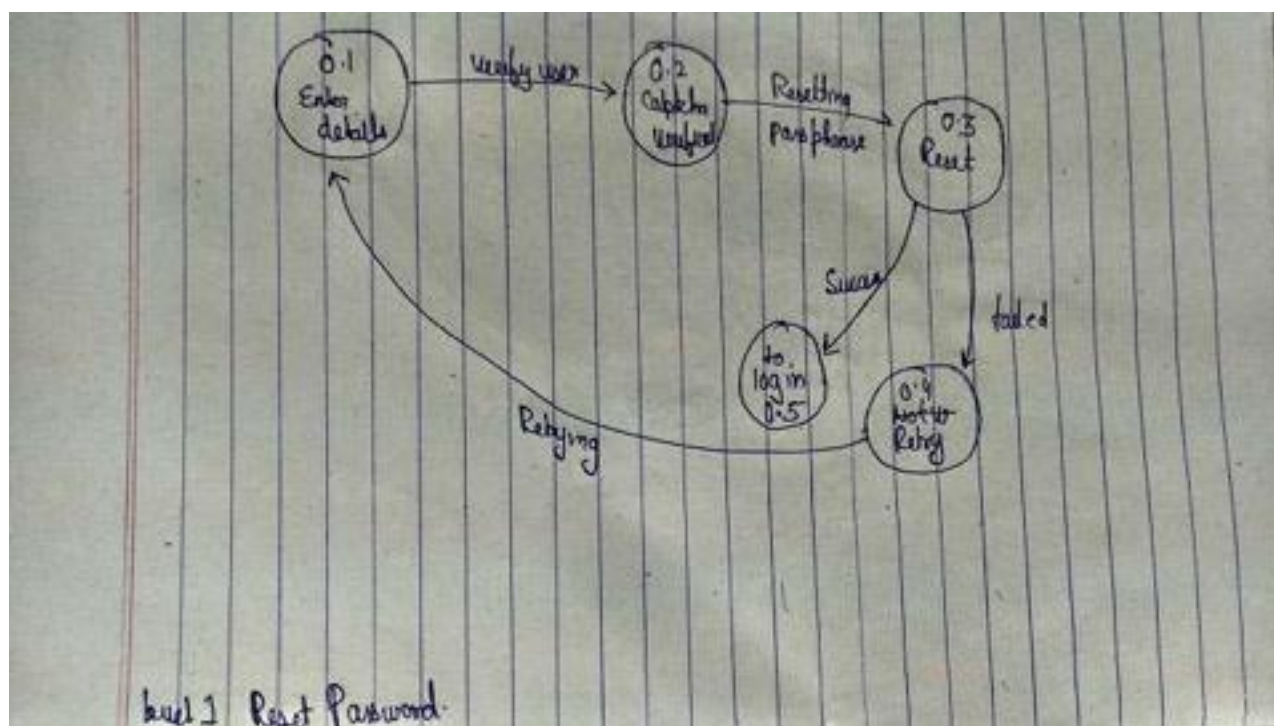


### Level 1 for Signup function:

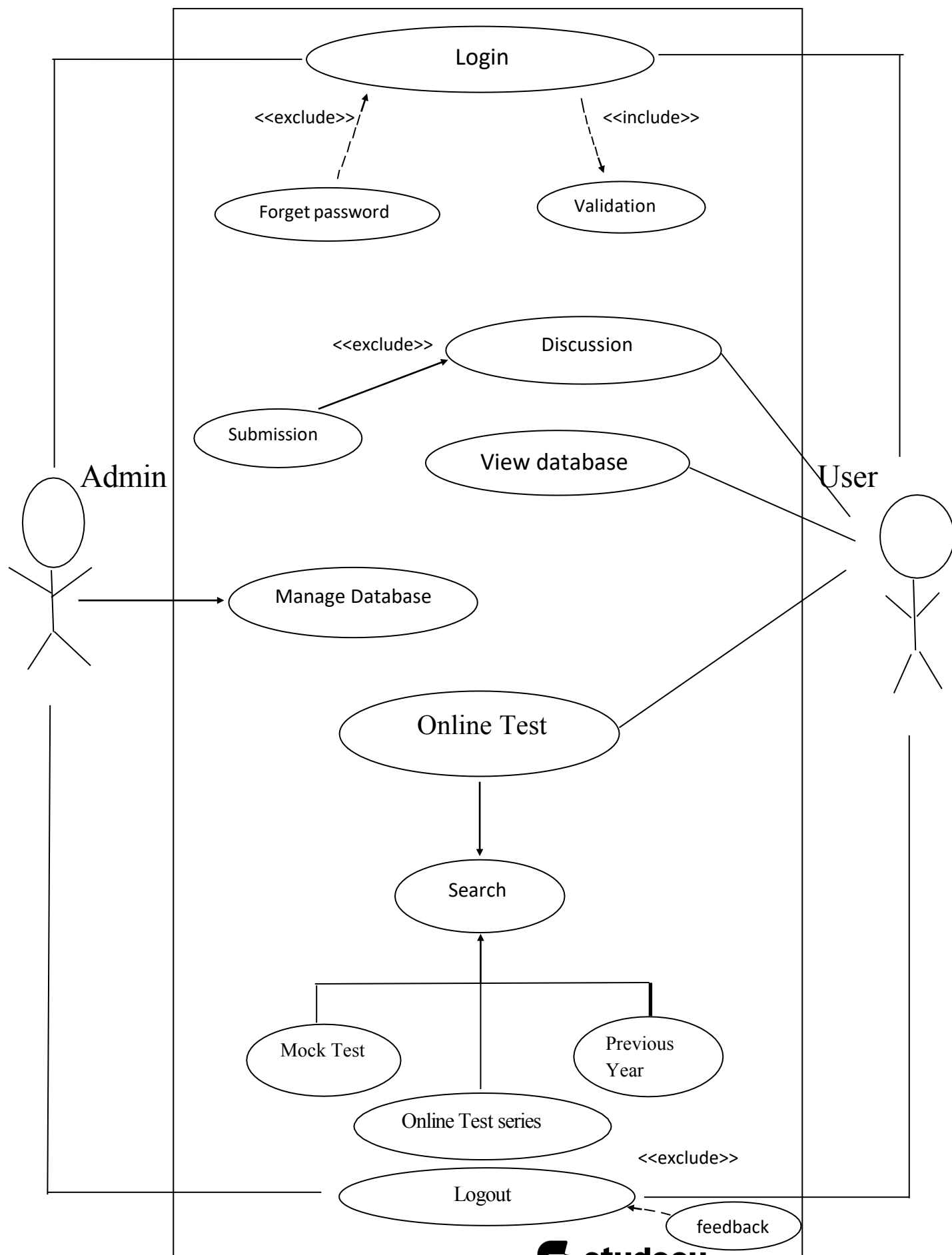


### Level 2 for signup function:

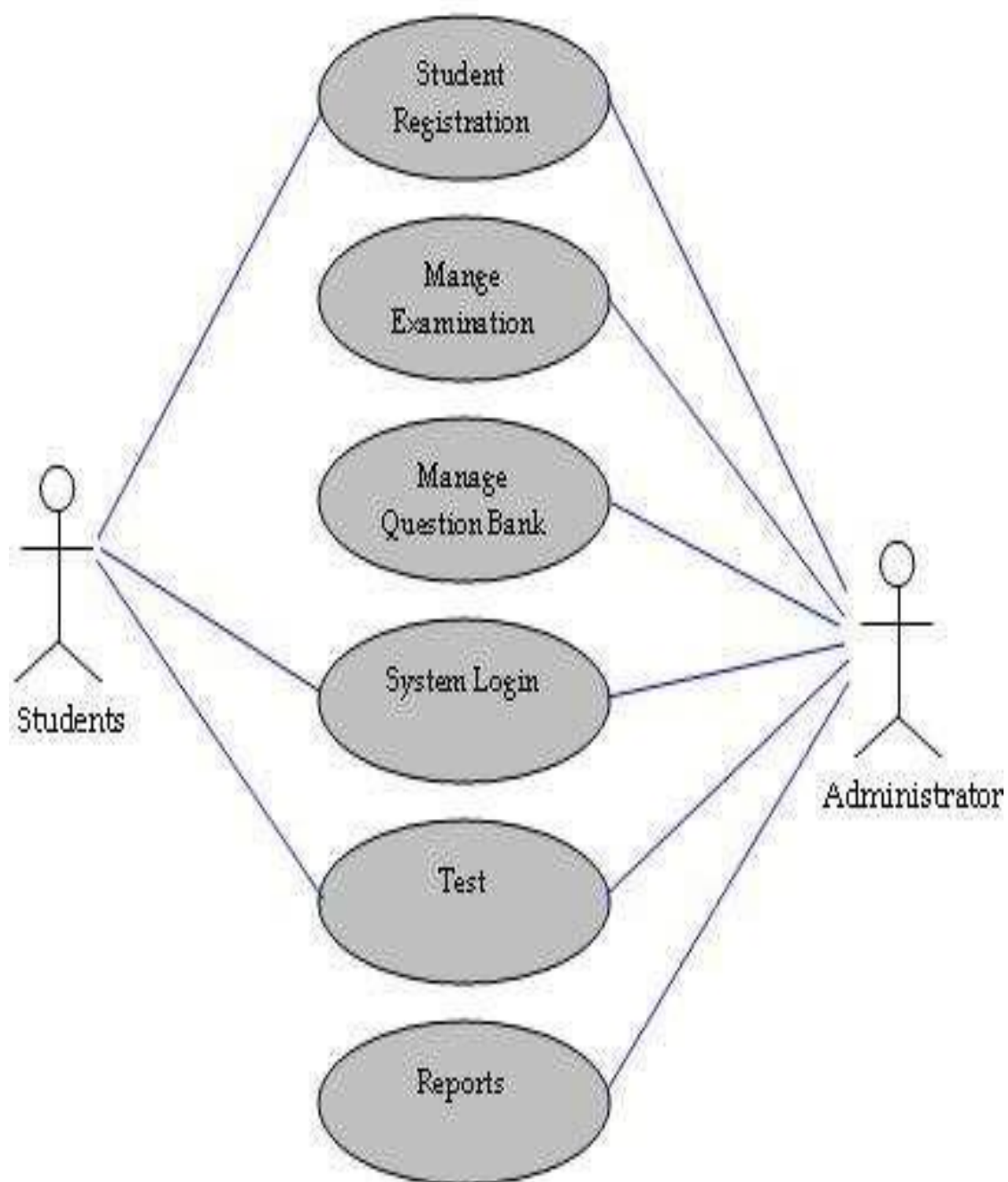


**Level 1 Reset function:**

## 9. USE CASE



## USE CASE DIAGRAM



## 10. TEST CASE

### Test case 1:

<b>Test case Id:</b> 1	<b>Test case name:</b> Reset Password
<b>Designed by:</b> Ajay Sunil	<b>Design date:</b> 27/10/2017
<b>Executed by:</b> Ajay Sunil	
<b>Short Description:</b> Test Wifistudy reset password service	

### Pre-Conditions

The user has valid email id registered in Wifistudy.

The user should know his phone number or answer to his security question.

Step	Action	Expected system response	Pass/fail
1	Click on reset button	Should display a reset password screen	Pass
2	Enter any phone number to check that weather otp is received by that number or not	The otp should reach at entered mobile number	Pass
3	Answer a security question	The security question answer should match, and display confirm message	Pass

### Post-conditions

1. The new password is saved in database



**Test Case 2:****Test case Id:** 2**Test case name:** Login**Designed by:** Ajay Sunil**Design date:** 27/10/2017**Executed by:** Ajay Sunil**Short Description:** Test Login function for Wifistudy.com**Pre-Conditions**

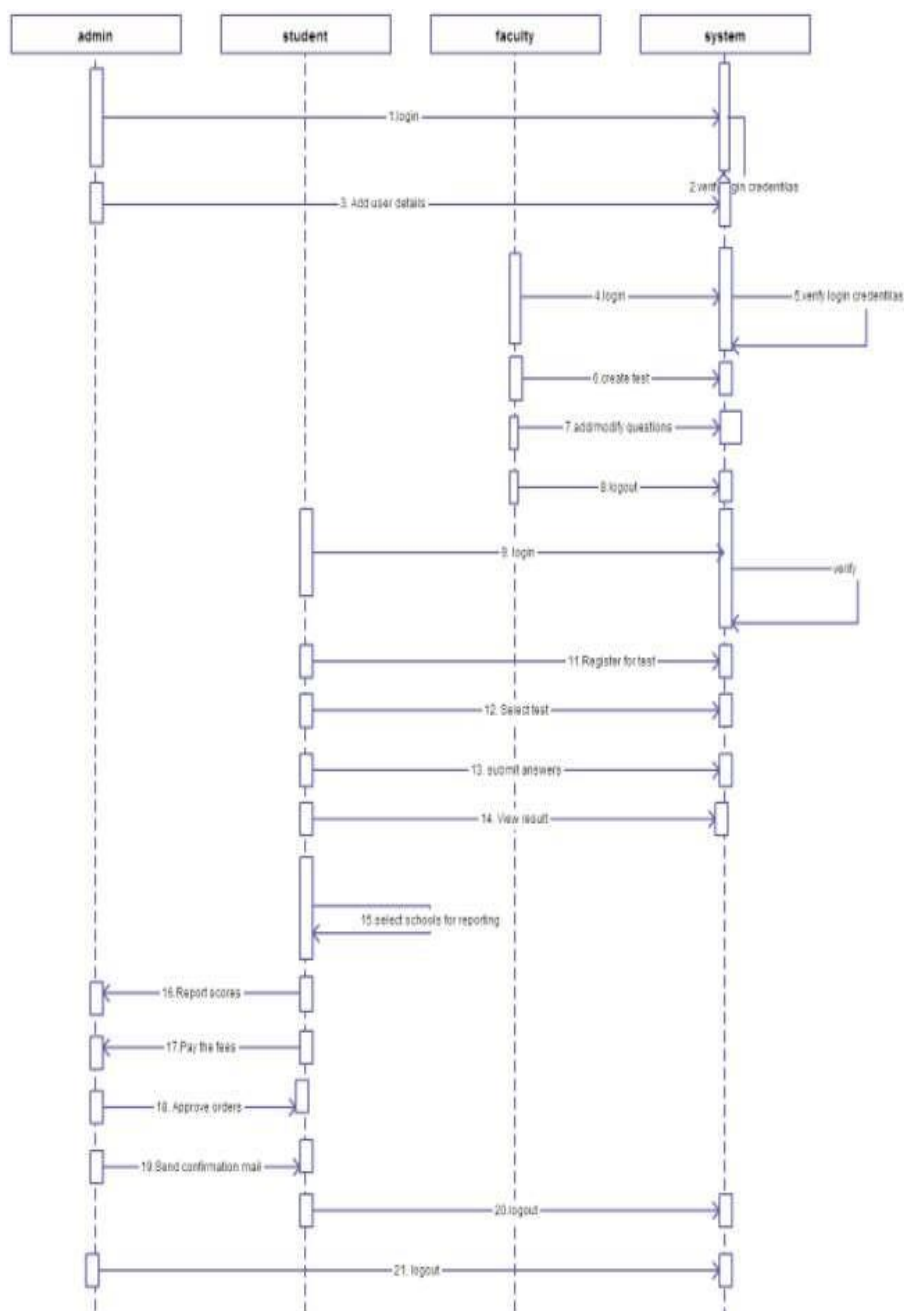
The user should be already signed up to Wifistudy.com

Step	Action	Expected system response	Pass/fail
1	Enter invalid Emails	Pop up to enter correct email again.	Pass
2	Enter valid emails	Should not show error	Pass
3	Enter password less than 8 character	Password not accepted	Pass
4	Enter correct password and email id	Home page opens up	Pass

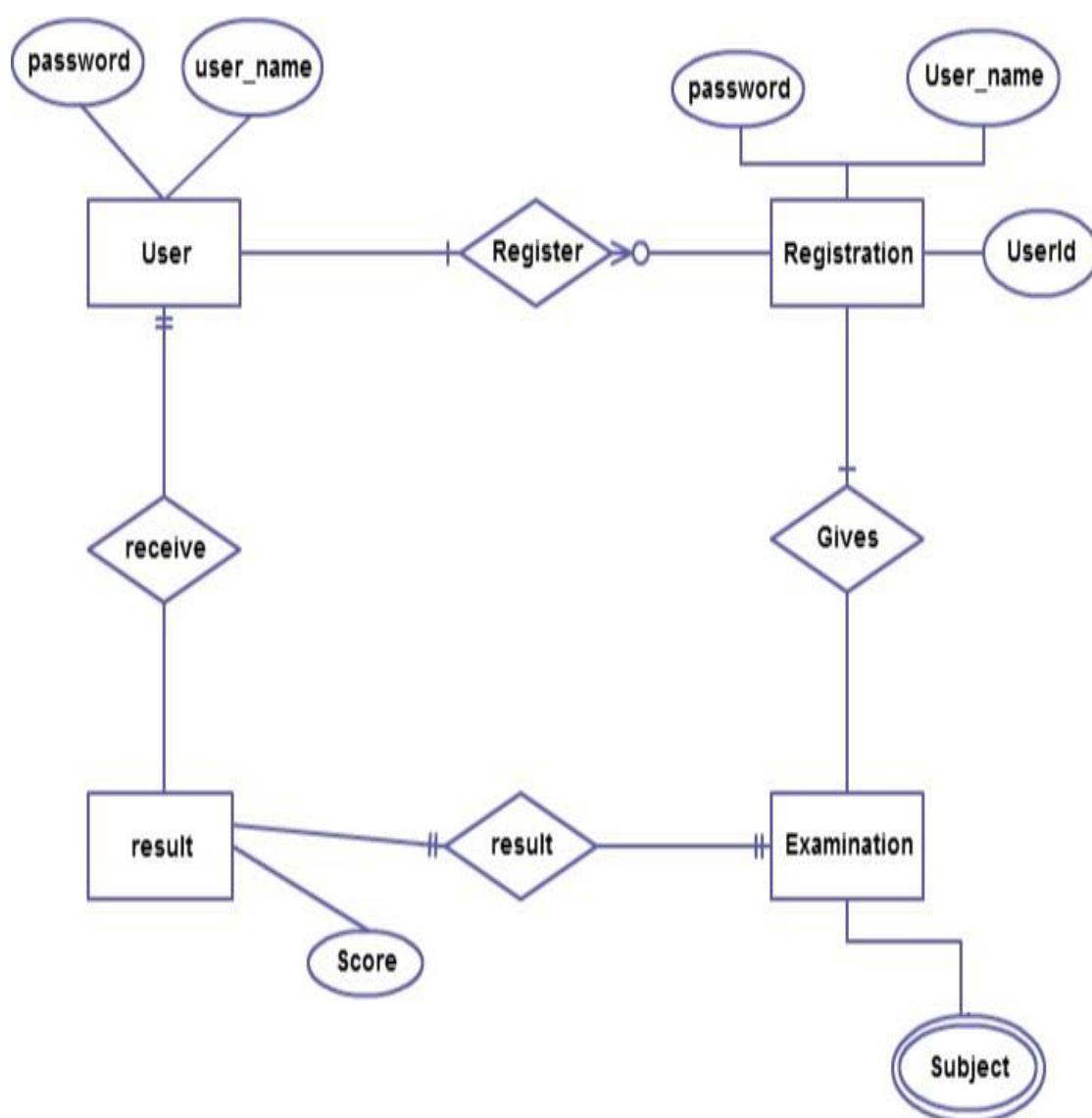
**Post-conditions**

1. Successfully Logged in.

## 11. SEQUENCE DIAGRAM



## 12. E-R DIAGRAM



### 13. REFERENCES

[www.wifistudy.com](http://www.wifistudy.com)

[www.google.com](http://www.google.com)