

## CHAPTER 1: INTRODUCTION

### 1.1 Organization Overview: -

Squad Infotech PVT. LTD is a leading software development company with head office in Mumbai. We provide software consultancy and solutions to Educational Institutes, Schools/Colleges, Universities, Manufacturing Industry. Our vision is to empower institutes by providing complete suite of software solutions and services that meet their evolving needs and growing business.

Squad Infotech Pvt. Ltd. is Software organization is providing the complete business solution for all types of small scale and large scale Firms. Squad Infotech Pvt. Ltd is a customer oriented company offering Software Development, Product Engineering, E Commerce Application Development, Web application Development, ERP and Customized Software Solutions. We have implemented various customized software solutions for various industries like Manufacturing, Automation, E Commerce, Retail etc.

Squad Infotech Pvt. Ltd. will try to give 100% client satisfaction; we will provide quick response to our client. Squad Infotech Pvt. Ltd believe that technology will play the key role in the strategic growth of the business. We have expertise over state of art technologies which are used for develop the Web Based Applications and Computer Software as per the customer requirements. We use latest technology for developing any product and gives 24 hours support system.

#### Location of Company:

**Head Office Address :** C - 209/210/215, 2<sup>nd</sup> Floor,

Nerul Railway Station Complex,

Nerul (East), Navi Mumbai - 400 706

**Phone Number** : +91-8422956407, +91-8422961027

**Website** : [www.squadinfotech.in](http://www.squadinfotech.in)

**Email** : [contact@squadinfotech.com](mailto:contact@squadinfotech.com)

#### Project File:

**Project Title** : ExamHub.com

**Team Members** : ONE

## 1.2 Introduction about system: -

**Project Title:** ExamHub.com (Student, Admin Module)

ExamHub.com is an online examination system is technology driven way to simplify examination activities like defining exam pattern with question bank, defining exam timer, objective question sections, conducting exams using computer or mobile devices in paperless manner.

ExamHub.com is cost effective, scalable way to convert traditional pen and paper based exams to online and paperless mode. Candidates can appear for the exam using any desktop, laptop or mobile device with browser. Exam results can be generated instantly for objective type of questions. It can simplify overall examination management and result generation activity.

Online examination is conducting a test online to measure the knowledge of the participants on a given topic. In the olden days, everybody had to gather in a classroom at the same time to take an exam. With online examination students can do the exam online, in their own time, with their own device, regardless of where they live. You only need a browser and an internet connection.

The whole process of assigning test and evaluating their scores after the test, was done manually till date. Processing the test paper i.e. checking and distributing respective scores used to take time when the software was not installed. Online examination system is a web-based examination system where examinations are given online. The main goal of this online examination system is to effectively evaluate the student thoroughly through a totally automated system that not only reduce the required time but also obtain fast and accurate results.

### **1.3 Existing system and need for system: -**

#### **Existing system: -**

Existing system is manual which requires a lot of paper work and it requires a lot of time for processing. This system has to prepare registration\application form, question paper for the students and required to print a lot of number manually. Answer papers of the students should be checked manually; requires more time and mistakes may be happened. To calculate how many students registered, and verification of details of these students in a month by hand is very difficult. The limitation of existing system is that it is not all personalized. It cannot be used for personal and quick reference.

#### **Limitation: -**

- Student need to come at exam center.
- Difficulties in calculation of marks.
- It is very difficult to analyze the exam manually.
- To take exam of more candidates more invigilators are required but no need of invigilator in case of on line exam.
- Results are not precise as calculation and evaluations are done manually.
- There is a chance for more manual errors.

To overcome this problem computerized system is developed which can able to reduce number of problem and limitations which are arise in this system with help of computer. It can possible to access any information fast. There is not possibility of loss or mismatch any records. The accurate information is accessible with help of computer.

#### **Need for System: -**

The traditional approach to measuring a person's level of knowledge in topic has been examination. These days there is often more emphasis on internal assessment, which may consist of assignment and project given out by the teacher and marked or assessed by the same teacher.

It is a modern method of conducting examination widely accepted and hastily increasing environment of conducting examination through online in all the sectors of education and job. It will considerably replace the traditional paper and pen based exam in future. In present days the availability of the computers and the wide spread nature of the

internet has laid a strong foundation paths for conducting most of the prestigious exams online.

The problem in existing system is as follows –

- Time consuming process
- Paper work
- Extra worker requirement
- More human error

#### **1.4 Scope of the work: -**

An ExamHub.com is a computer-based test system that can be used to conduct computer based tests online. This examination system uses fewer resources and reduces the need for question papers and answer scripts, exam room scheduling, arranging invigilators, coordinating with examiners, and more.

- Online Examination system is designed for Educational Institutions as well as Corporate world (like schools, colleges, universities, training Institutions, IT companies).
- It can be used anywhere any time as it is a web based application.
- It can be used anywhere any time as it is a web based application.
- It reduces the time of taking examinations of the students manually.
- This system will provide better security and transparency in the examination.
- The system handles all the operations and generates reports as soon as the test is finish.

## 1.5 Operating Environment Hardware and Software: -

### Hardware Requirements: -

Operating System	:	Windows 10, Windows 7,8,10
Technologies	:	JSP and JDBC with Java 1.8 version
Back End	:	My-SQL
Hardware Requirements	:	Intel® Core™ i@-5005U CPU @ 2.00 GHz.
RAM	:	4 GB
Hard Disk	:	Minimum 2GB
Printer	:	Laser, Inkjet
Keyboard	:	Multimedia keyboard
Mouse	:	Optical scroll mouse

### Software Requirements: -

Tools	:	Eclipse EE IDE, Apache Tomcat Server
Language Used	:	Java (Developed in Core Java)
Database	:	MySQL
Student Interface Design	:	JSP, JAVASCRIPT
Web Browser	:	Google Chrome
Software	:	XAMPP Server

## Detail Description of Technology Used: -

### JSP:

Java Server Pages (JSP) is a technology that helps software developers create dynamically generated web pages based on HTML, XML, or other document types. Released in 1999 by Sun Microsystems, JSP is similar to PHP and ASP, but it uses the Java programming language.

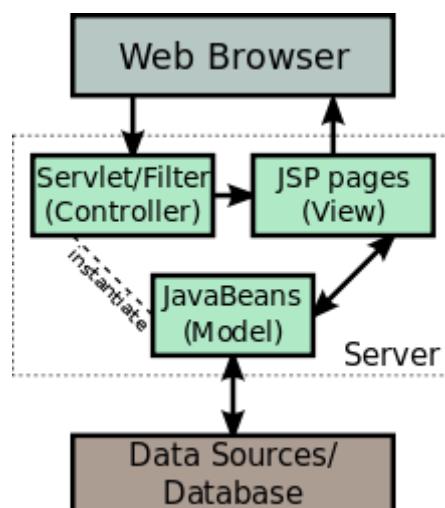
To deploy and run Java Server Pages, a compatible web server with a servlet container, such as Apache Tomcat or Jetty, is required.

JSP may be viewed as a high-level abstraction of Java servlets. JSPs are translated into servlets at runtime, therefore JSP is a Servlet; each JSP servlet is cached and re-used until the original JSP is modified.

JSP can be used independently or as the view component of a server-side model–view–controller design, normally with JavaBeans as the model and Java servlets (or a framework such as Apache Struts) as the controller. This is a type of Model 2 architecture.

JSP allows Java code and certain pre-defined actions to be interleaved with static web markup content, such as HTML, with the resulting page being compiled and executed on the server to deliver a document.

The compiled pages, as well as any dependent Java libraries, contain Java bytecode rather than machine code. Like any other Java program, they must be executed within a Java virtual machine (JVM) that interacts with the server's host operating system to provide an abstract, platform-neutral environment.



JSPs are usually used to deliver HTML and XML documents, but through the use of OutputStream, they can deliver other types of data as well. The Web container creates JSP implicit objects like request, response, session, application, config, page, pageContext, out and exception. JSP Engine creates these objects during translation phase.

## **JDBC**

Java Database Connectivity (JDBC) is an application programming interface (API) for the programming language Java, which defines how a client may access a database. It is a Java-based data access technology used for Java database connectivity.

It is part of the Java Standard Edition platform, from Oracle Corporation. It provides methods to query and update data in a database, and is oriented towards relational databases. A JDBC-to-ODBC bridge enables connections to any ODBC-accessible data source in the Java virtual machine (JVM) host environment

JDBC allows multiple implementations to exist and be used by the same application. The API provides a mechanism for dynamically loading the correct Java packages and registering them with the JDBC Driver Manager. The Driver Manager is used as a connection factory for creating JDBC connections.

- Statement- The statement is sent to the database server each and every time.
- PreparedStatement- The statement is cached and then execution path is pre-determined on the database server allowing it to be executed multiple times in an efficient manner.
- CallableStatement- used for executing stored procedures on the database.

Update statements such as INSERT, UPDATE and DELETE return an update count that indicates how many rows were affected in the database. These statements do not return any other information.

Query statements return a JDBC row result set. The row result set is used to walk over the result set. Individual columns in a row are retrieved either by name or by column number. There may be any number of rows in the result set. The row result set has metadata that describes the names of the columns and their types.

There is an extension to the basic JDBC API in the javax.sql.

JDBC connections are often managed via a [connection pool](#) rather than obtained directly from the driver.

JDBC drivers are client-side [adapters](#) (installed on the client machine, not on the server) that convert requests from Java programs to a protocol that the DBMS can understand.

Commercial and free drivers provide connectivity to most relational-database servers. These drivers fall into one of the following types:

- Type 1 that calls native code of the locally available ODBC driver. (Note: In JDBC 4.2, JDBC-ODBC bridge has been removed)
- Type 2 that calls database vendor native library on a client side. This code then talks to database over the network.
- Type 3 the pure-java driver that talks with the server-side middleware that then talks to the database.
- Type 4 the pure-java driver that uses database native protocol.

## Java Version 1.8

Java 8 (codename: Spider) was released on March 18, 2014, and included some features that were planned for Java 7 but later deferred.

Work on features was organized in terms of [JDK Enhancement Proposals \(JEPs\)](#).

JSR 335, JEP 126: Language-level support for [lambda expressions](#) (officially, lambda expressions; unofficially, [closures](#)) under Project Lambda and default methods (virtual [extension methods](#)) which allow the addition of methods to interfaces without breaking existing implementations. There was an ongoing debate in the Java community on whether to add support for lambda expressions. Sun later declared that lambda expressions would be included in Java and asked for community input to refine the feature.

Supporting lambda expressions also enables [functional](#)-style operations on streams of elements, such as [MapReduce](#)-inspired transformations on collections. Default methods allow an author of an API to add new methods to an interface without breaking the old code using it. Although it was not their primary intent, default methods also allow multiple inheritance of behavior (but not state).

Java 8 is not supported on [Windows XP](#) but as of JDK 8 update 25, it can still be installed and run under Windows XP. Previous updates of JDK 8 could be run under XP, but had to be installed after a forced installation by directly unzipping files from the installation executable.

From October 2014, Java 8 was the default version to download (and then again the download replacing Java 9) from the official website. "Oracle will not post further updates of Java SE 8 to its public download sites for commercial use after January 2019.

## Apache Tomcat 9.0

The Apache HTTP Server, colloquially called Apache is free and open-source cross-platform webserver software, released under the terms of Apache License 2.0. Apache is developed and maintained by an open community of developers under the auspices of the Apache Software Foundation.

The Apache HTTP Server is cross platform; as of 1 June 2017 92% of apache HTTPS Server copies run on Linux distributions. Version 2.0 improved support for non-Unix operating systems such as Windows and OS/2.

Old versions of Apache were ported to run on OpenVMS and NetWare. Originally based on the NCSA HTTP server, development of Apache began in early 1995 after work on the NCSA code stalled. Apache played a key role in the initial growth of the World Wide Web, quickly overtaking NCSA HTTP as the dominant HTTP server, and has remained most popular since April 1996. In 2009, it became the first web server software to serve more than 100 million websites. As of July 2016, it was estimated to serve 46% of all active websites and 43% of the top million websites.

## My-SQL

MySQL (officially pronounced as "My S-Q-L") is an open source relational database management system (RDBMS). Its name is a combination of "My", the name of cofounder Michael Widenius's daughter and "SQL", the abbreviation for Structured Query Language.

The MySQL development project has made its source code available under the terms of the GNU (General Public License), as well as under a variety of proprietary agreements. MySQL was owned and sponsored by a single for profit firm, the Swedish company MySQL AB, now owned by Oracle Corporation. For proprietary use, several paid editions are available, and offer additional functionality.

MySQL is a central component of the LAMP open-source web application software stack (and other "AMP" stacks). LAMP is an acronym for "Linux, Apache, MySQL, and Perl/PHP/Python".

Applications that use the MySQL database include: TYPO3, MODx, Joomla, WordPress, Simple, Written in C, C++Operating system Windows, Linux, Solaris, mac Free BSD Available in English Type RDBMS License GPL (version 2) or proprietary website [www.mysql.com](http://www.mysql.com)achiness Forum, phpBB, MyBB, and Drupal. MySQL is also used in many high profile, large-scale websites, including Google (though not for searches), Facebook, Twitter, Flickr, and YouTube.

The MySQL server software itself and the client libraries use [dual-licensing](#) distribution. They are offered under GPL version 2, beginning from 28 June 2000 (which in 2009 has been extended with a [FLOSS](#) License Exception) or to use a proprietary license.

Support can be obtained from the official manual. Free support additionally is available in different IRC channels and forums. Oracle offers paid support via its MySQL Enterprise products. They differ in the scope of services and in price. Additionally, a number of third party organisations exist to provide support and services, including [MariaDB](#) and [Percona](#).

MySQL has received positive reviews, and reviewers noticed it "performs extremely well in the average case" and that the "developer interfaces are there, and the documentation (not to mention feedback in the real world via Web sites and the like) is very, very good". It has also been tested to be a "fast, stable and true multi-Student, multi-threaded sql database server".

## CHAPTER 2: PROPOSED SYSTEM

### 2.1 Proposed System: -

Proposed system is the automation of existing procedure. Fast retrieval and data accuracy will be the major benefits of the system. Also errors can be minimized. Password protection facility is also incorporated to protect the system from unauthorized access to data.

The modern computerized system is developed with the aim to overcome the drawbacks of existing system. The proposed system has got many advantages. The new system is more personalized It is made in a quick and easy referential manner. The advantages of proposed system are that security is maintained in the new system. The questions for the exams will prepare by the administrator and the answers will be published immediately after completing the exam.

- Provides complete online web based solution, including student registration, giving tests, storing results.
- Complete web based administration, administrator can manage examination and question bank from web interface.
- No geographical boundary.
- Student can give examination from anywhere of the world by 24X7.
- 100 % accuracy in result calculation.
- Randomization of question set.

The modern computerized ExamHub.co com system is developed with the aim to overcome the drawbacks of existing manual system. The proposed system has got many advantages. People from different parts of the world can register very easily. The new system is more personalized. It is maze in such a manner that all the new Students can understand all the options in it very easily. It is made in a quick and easy referential manner. The advantages of proposed system are that security is maintained in the new system. Securities for all important data are maintained confidentially. As it is easily understandable and Student friendly, quick entries can be made in this system.

**• Time Saving –**

Traditionally, exam distribution demands adequate time for end to-end management. Unlike earlier, the online exam system is non-time consuming. Examiners can just upload the email ids of participants and invite them for assessment. The best part is results can be generated instantly.

**• Prevent Cheating-**

Cheating amongst the test-takers in the examination hall is one of the major drawbacks of pen paper-based assessment. Online examination managed avoids the possibilities of secretly using unfair means to get the right answers. The presence of various functionalities in exam software prevents cheating irrespective of the test taker's location.

**• Solve problem –**

Our proposed computerized system can solve any problem that occurs or will in any process or function that in existing system to meet performance standard.

**• Performance Level –**

The scope of this project gives immense opportunity for the students to know their levels in exam. It provides effective software so as to help the students as well as the evaluators who are involved in evaluating the student's performance.

**• Accuracy-**

We assure that the project is completely authenticated in order to enhance security and corruptions of database as well as the software. The person is given access only if he/she has a valid Studentname and password.

**• Reliability-**

The reliability of the proposed system will be high due to the above stated reasons. The reason for the increased reliability of the system is that now there would be storage of information.

**Characteristics of system –**

Following are the characteristics of the proposed – “ExamHub.com”

- Student friendly system and easy accessibility.
- Exams can be assembled and previewed, edited and published instantly.
- To reduce paperwork.

- Accuracy in checking the answer, calculating results.
- Random ordering of pages, questions, and choice.
- Errors if existing system will be avoided.
- Advanced time management.
- It will store huge amount of data and reliable in proper order.
- Highly customizable.
- Detailed results and analysis.

## 2.2 Objective of System: -

The objective of the project “ExamHub.com” is to make evaluation and conduction of examination massive but simple, cost effective and faster. The online objective exam system is an online test system that allows Students to take online tests and automatically generates results based on answers marked by Students. The system is to be used for various online tests conducted by schools colleges and other institutions. The system is an online application that can be used to take tests online and get instant results.

### Objective of ExamHub.com are as follows:

- To provide an interface through which student can appear for online examination.
- To provide registration for students done by themselves.
- To not provide facility of copy and paste while attempting the Subjective questions on the web page.
- When the student starts the exam the timer will start automatically and show the student how much time is left.
- The questions will be displayed randomly from question bank.
- To provide Student name and password facility and credentials should be checked properly at the time of login for student.
- The authority to modify the criteria is provided to the controller of examination.
- To allow admin to create tests and answer key.
- To facilitate exam department admin to make schedule and declare result.

### **2.3 Student Requirement: -**

- Login system must be present and secured by password
- Could Update Profile
- The result is required to the candidates on the registered mail address.
- Appearing for practice test before final test.
- When the student starts the exam the timer will start automatically and show the student how much time is left of test if any.
- Customer care services through form fill of any query.
- Availability of latest blogs, assignments and video tutorials.
- At the login page Studentname and password facility and credentials should be checked properly at time of login for student.

## CHAPTER 3: ANALYSIS & DESIGN

### **3.1 Data Dictionary-**

#### **1. Admin**

<b>Data Field</b>	<b>Description</b>
username	username of Admin
password	password of Admin

#### **2. Category**

<b>Data Field</b>	<b>Description</b>
categoryid	categoryID of Category
categoryname	categoryName of Category

#### **3. Exam**

<b>Data Field</b>	<b>Description</b>
examid	examId of Exam
examname	examName of Exam
categoryid	categoryId of Category

**4. Student**

<b>Data Field</b>	<b>Description</b>
studentname	studentname of Student
password	password of Student
name	name of Student
address	address of Student
gender	gender of Student
dateofbirth	Date of birth of Student
email	email of Student
contact	contact of Student

## 5. Question

<b>Data Field</b>	<b>Description</b>
questionid	questionID of Question
question	question of Question
option1	option1 of Question
option2	option2 of Question
option3	option3 of Question
option4	option4 of Question
answer	answer of Question
sectionid	sectionID of Section

## 6. Section

<b>Data Field</b>	<b>Description</b>
sectionid	sectionID of Section
sectionname	sectionName of Section
examid	examID of Exam

## 7. Test

<b>Data Field</b>	<b>Description</b>
testid	testID of Test
testname	testName of Test
testtype	testType of Test
maxquestion	maxQuestions of Test
maxmarks	maxMarks of Test
duration	duration of Test
testfee	testFee of Test
examid	examID of Exam
open	open date of Test
closes	close date of Test

## 8. Study Material

Data Field	Description
documentid	documentId of StudyMaterial
subjectname	subjectName of StudyMaterial
documenttype	documentType of StudyMaterial
filepath	filePath of StudyMaterial

## 9. Blog

Data Field	Description
blogid	blogId of Blog
blogtitle	blogTitle of Blog
blogdata	blogData of Blog
linkrelated	linkRelated of Blog
lastedited	lastEdited Blog

## 10. Assignment

Data Field	Description
assignmentid	assignmentId of Assignment
assignmentdata	assignmentData of Assignment
subjectname	subjectName of Subject

## 11. Result

Data Field	Description
resultid	resultID of Result
testid	testId of Test
studentusername	studentuserName of Student
maxquestion	maxquestion of Test
maxmarks	maxmarks of Test
attempted	attempted count of Test question
correct	correct count of Test answers
obtained	obtained marks for Test

### 3.2 Table Specification:

#### 1. Admin

Data Field	Data Type	Size	Key Constraints
studentname	varchar	50	Primary Key
Password	varchar	100	Not Null

**2. Student**

Data Field	Data Type	Size	Key Constraints
username	varchar	100	Primary Key
password	varchar	100	Not Null
name	varchar	100	Not Null
address	varchar	100	Not Null
gender	varchar	100	Not Null
dateofbirth	varchar	10	Not Null
email	varchar	50	Not Null
contact	varchar	15	Not Null

### 3. Category

Data Field	Data Type	Size	Key Constraints
categoryid	int	11	Primary Key
categoryname	varchar	100	Foreign Key

### 4. Exam

Data Field	Data Type	Size	Key Constraints
examid	int	11	Primary Key
examname	varchar	100	Not Null
categoryid	int	11	Foreign Key

## 5. Question

Data Field	Data Type	Size	Key Constraints
questionid	int	11	Primary Key
question	varchar	50000	Not Null
option1	varchar	100	Not Null
option2	varchar	100	Not Null
option3	varchar	100	Not Null
option4	varchar	100	Not Null
answer	varchar	100	Not Null
sectionid	int	11	Foreign Key

## 6. Section

Data Field	Data Type	Size	Key Constraints
sectionid	int	11	Primary Key
sectionname	varchar	100	Not Null
examid	int	11	Foreign Key

## 7. Study Material

Data Field	Data Type	Size	Key Constraints
documentid	int	11	Primary Key
subjectname	varchar	50	Not Null
documenttype	int	100	Foreign Key
filepath	varchar	200	Not Null

## 8. Blog

Data Field	Data Type	Size	Key Constraints
blogid	int	11	Primary Key
blogtitle	varchar	200	Null
blogdata	varchar	60000	Null
linkrelated	varchar	100	Null
lastedited	varchar	30	Null

## 9. Assignment

Data Field	Data Type	Size	Key Constraints
assignmentid	int	11	Primary Key
assignmentdata	varchar	60000	Null
subjectname	varchar	100	Null

**10. Test**

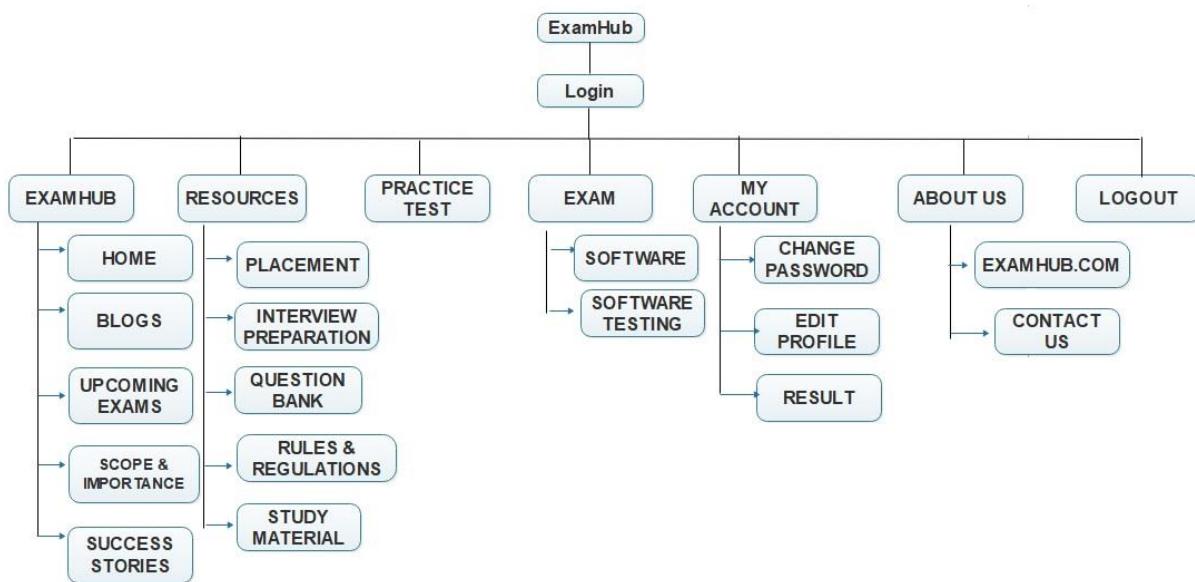
Data Field	Data Type	Size	Key Constraints
testid	int	11	Primary Key
testname	varchar	50	Not Null
testtype	varchar	30	Not Null
maxquestion	int	11	Not Null
maxmarks	int	11	Not Null
duration	int	11	Not Null
testfee	int	5	Not Null
examid	int	11	Foreign Key
open	varchar	15	Not Null
close	varchar	15	Not Null

## 11. Result

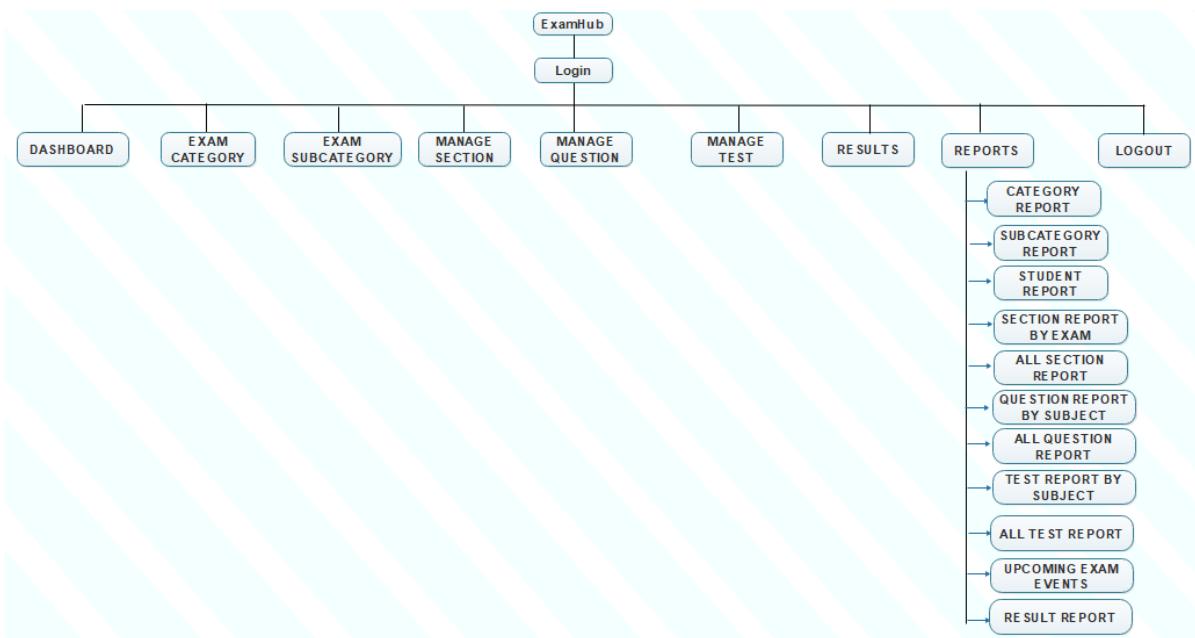
Data Field	Data Type	Size	Key Constraints
resultid	int	11	Primary Key
testid	int	11	Not Null
testname	int	11	Not Null
studentusername	varchar	100	Not Null
maxquestion	int	11	Not Null
maxmarks	int	11	Not Null
attempted	int	11	Not Null
correct	int	11	Not Null
obtained	int	11	Foreign Key

### 3.3 Menu Tree ( Web Site Map ) –

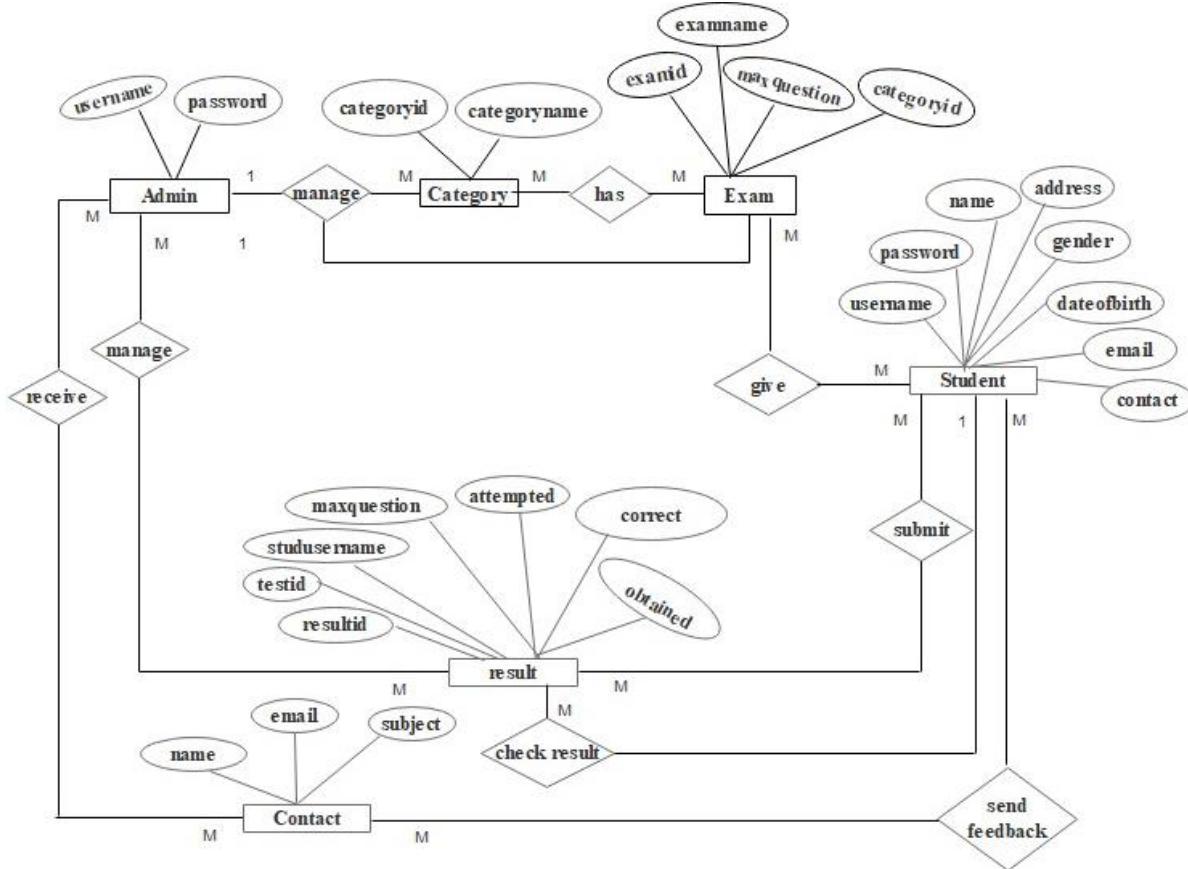
#### 1. Student site map :-



#### 2. Admin site map :-

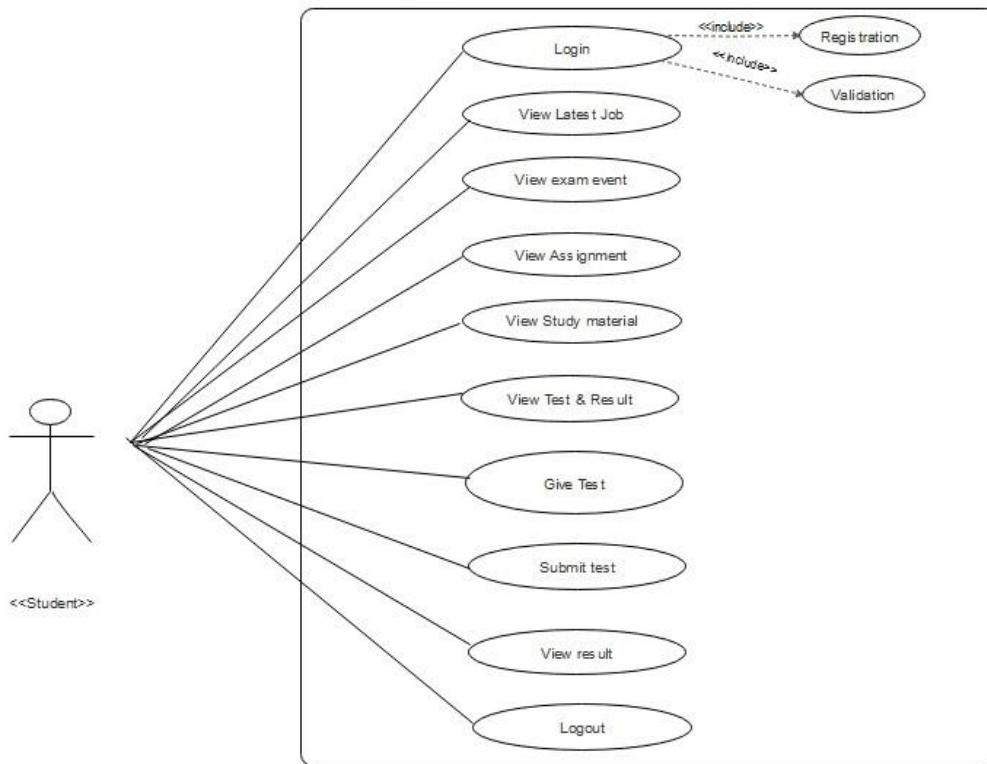


### 3.4 ERD (Entity Relationship Diagram) –

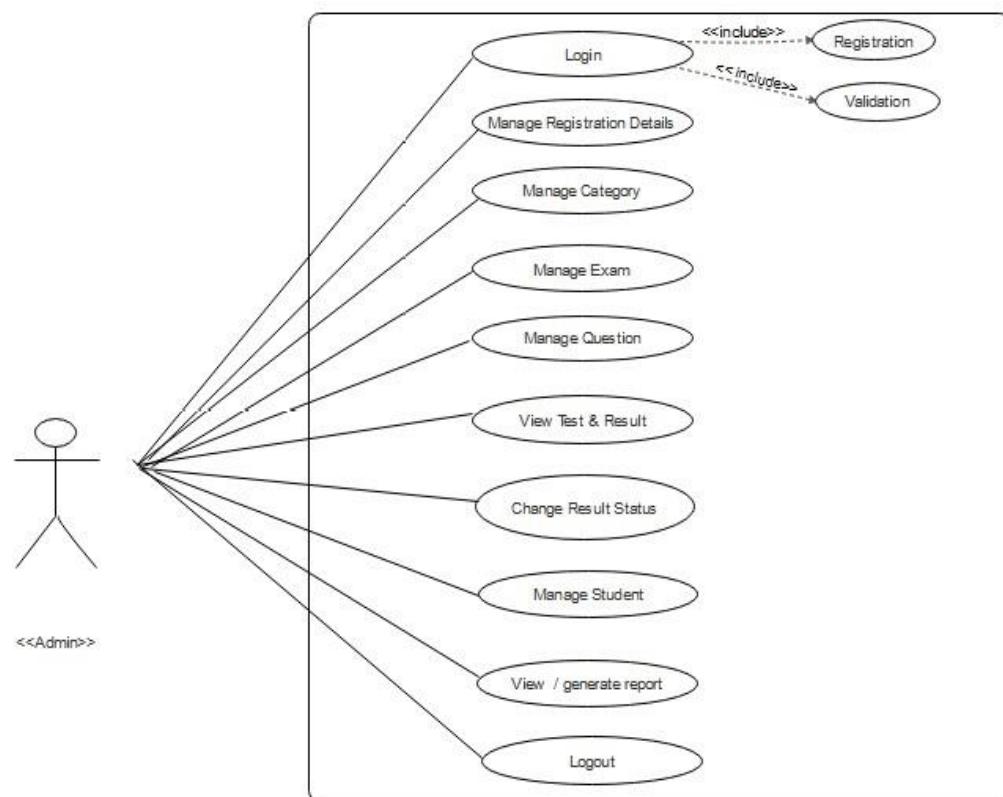


### 3.5 System Design –

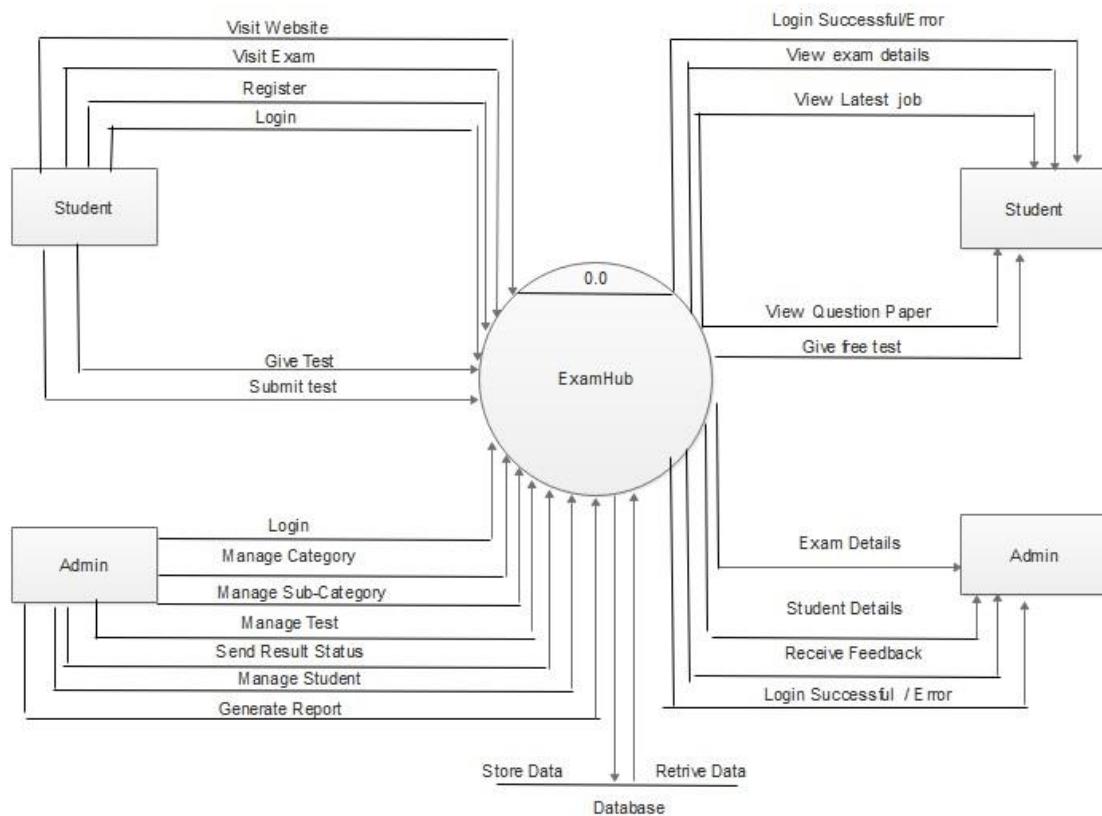
#### 1. Use Case Diagram for Student :-



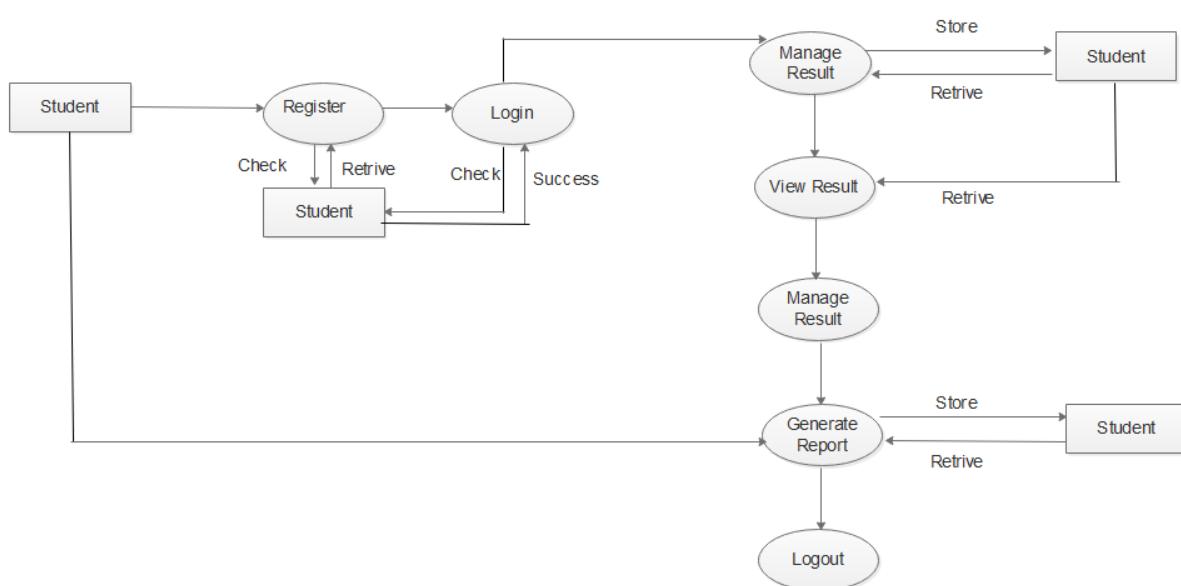
#### 2. Use Case Diagram for Admin :-



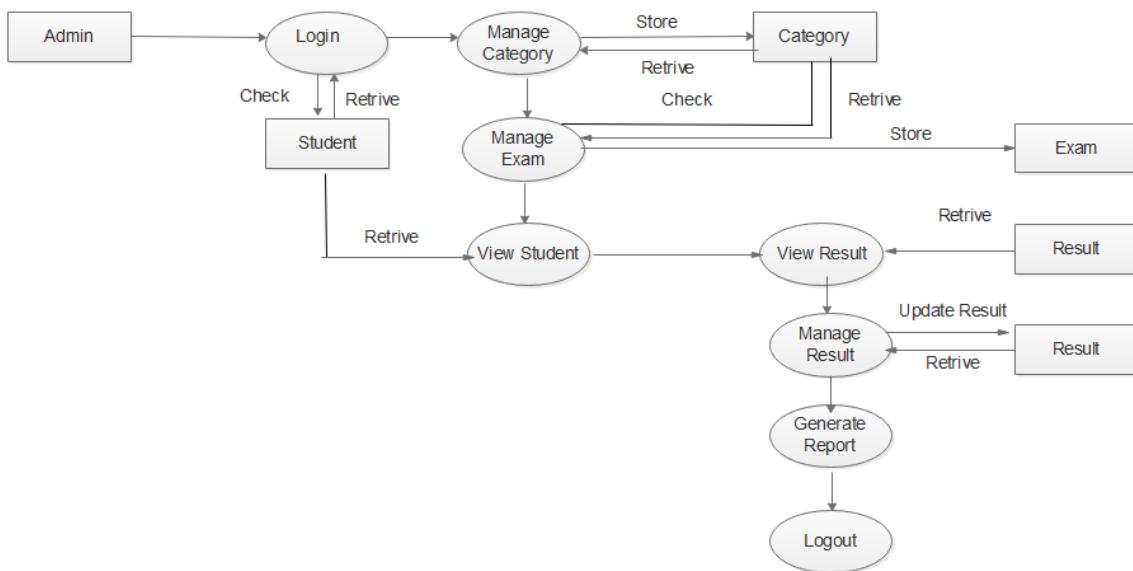
### 3. CLD (Context Level Diagram) :-



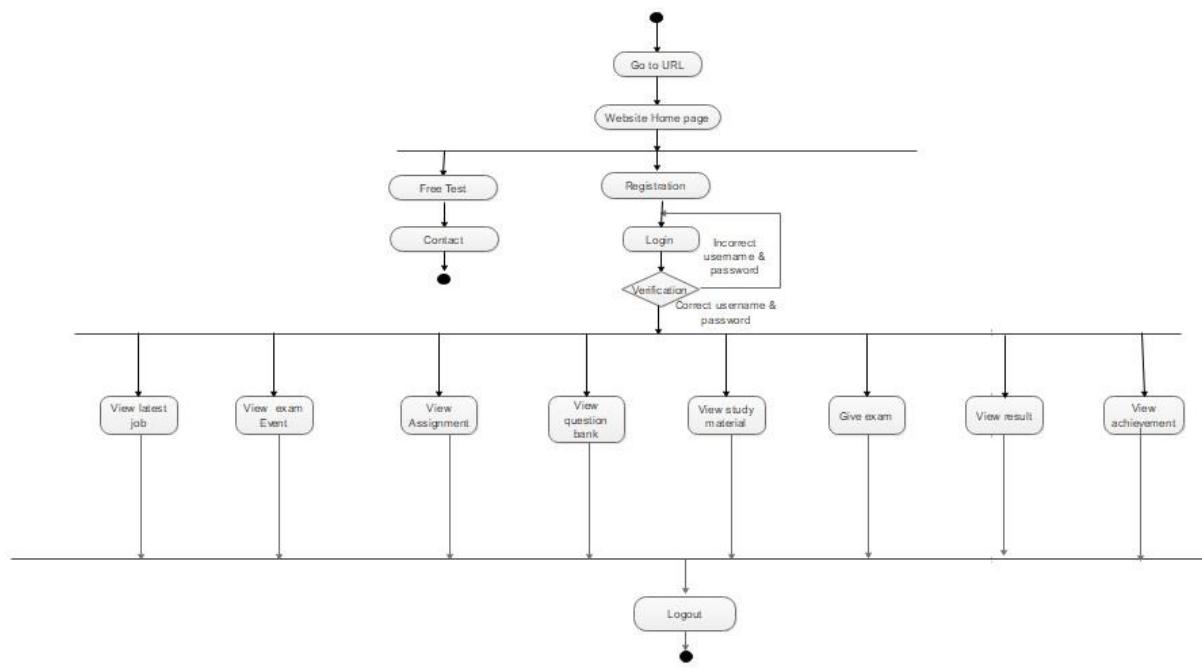
### 4. Data Flow Diagram for Student :-



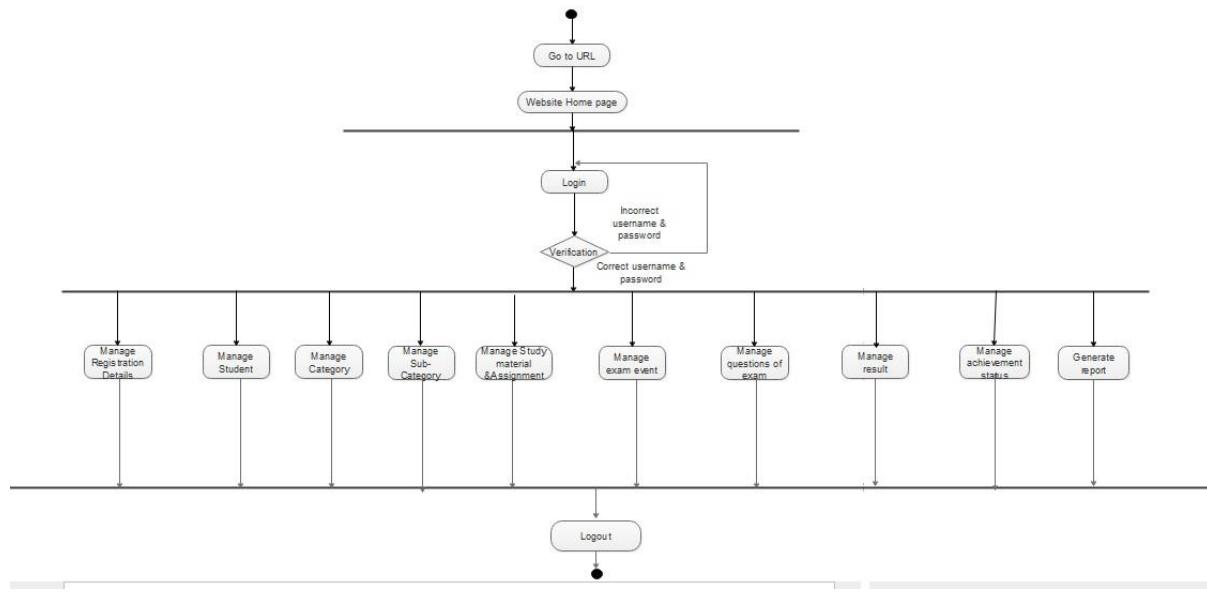
## 5. Data Flow Diagram for Admin :-



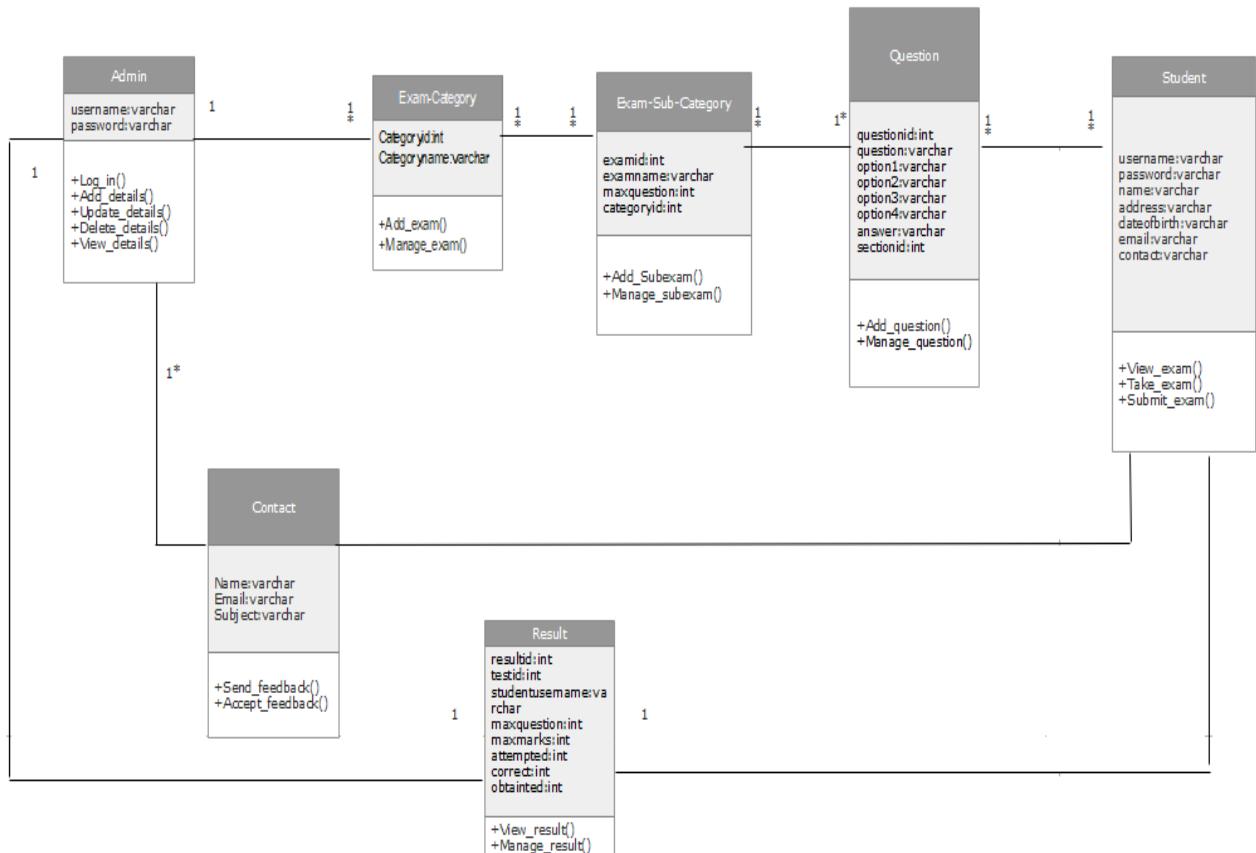
## 6. Activity Diagram for Student :-



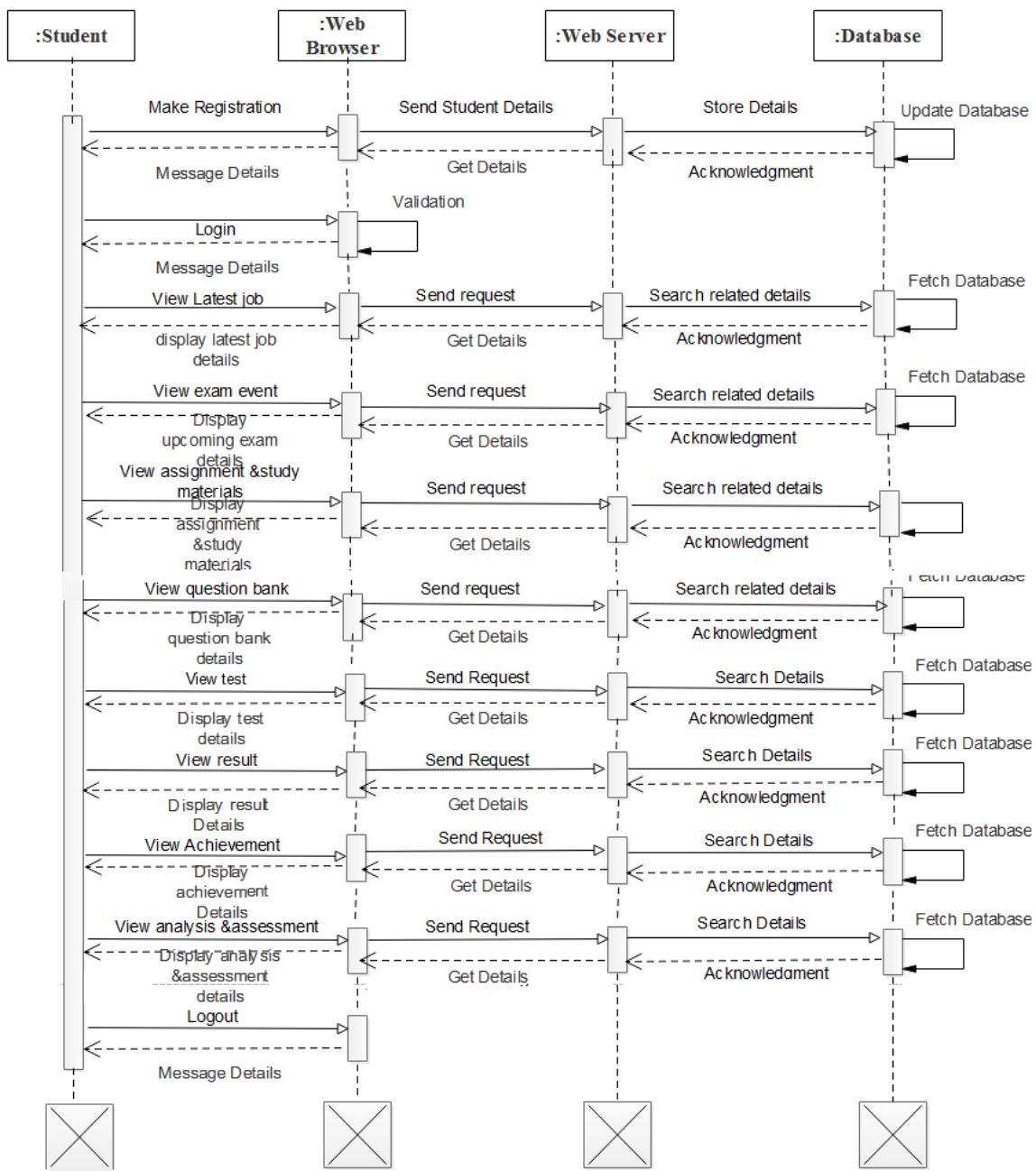
## 7. Activity Diagram for Admin :-



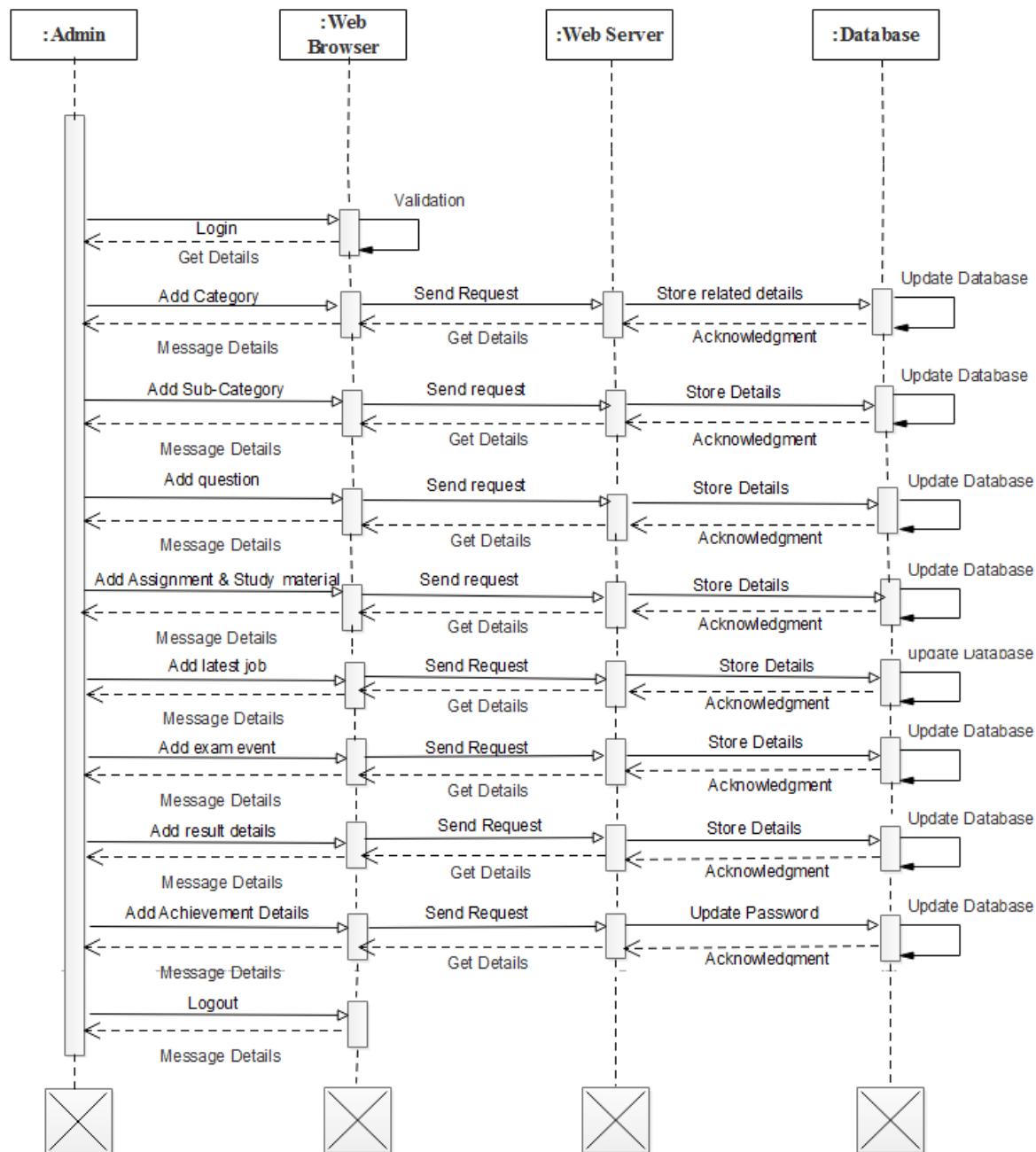
## 8. Class Diagram



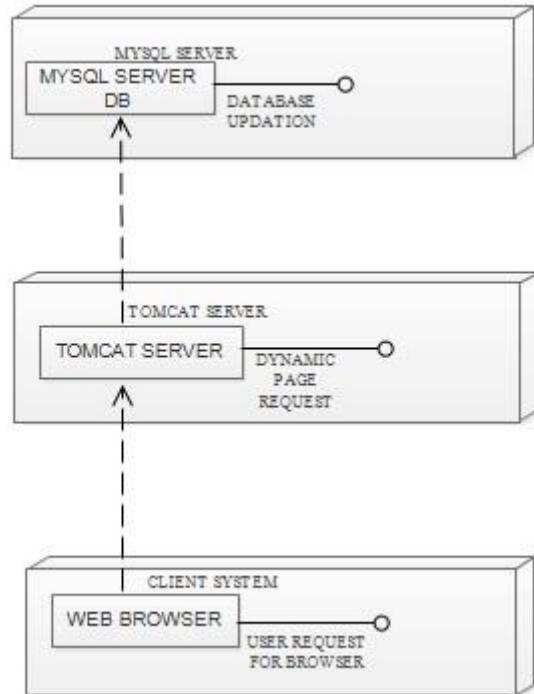
## 9. Sequence Diagram for Student :-



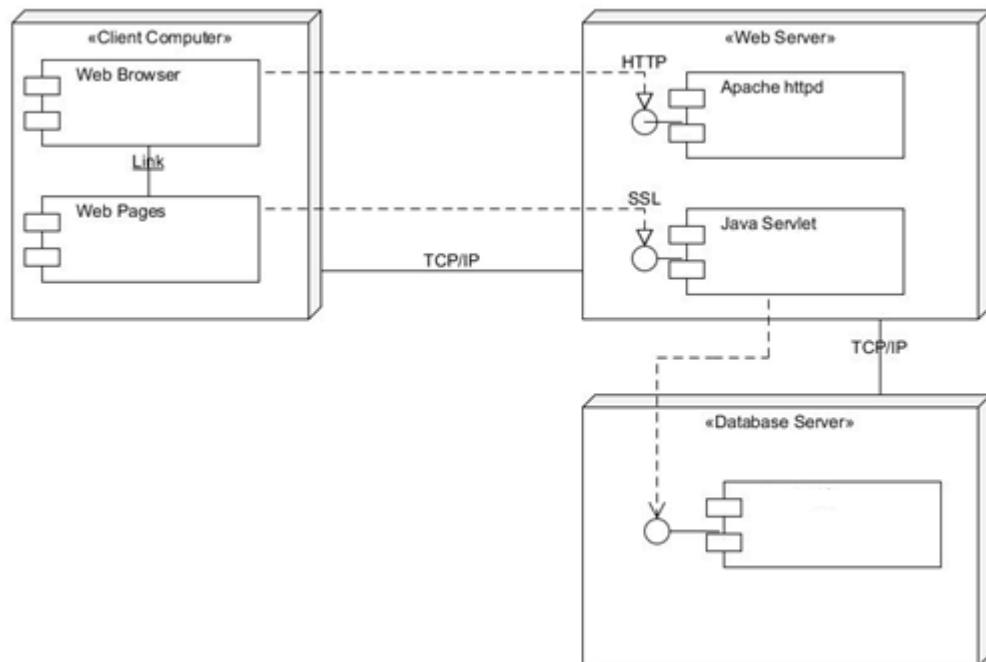
## 10. Sequence Diagram for Admin :-



## 11. Deployment Diagram



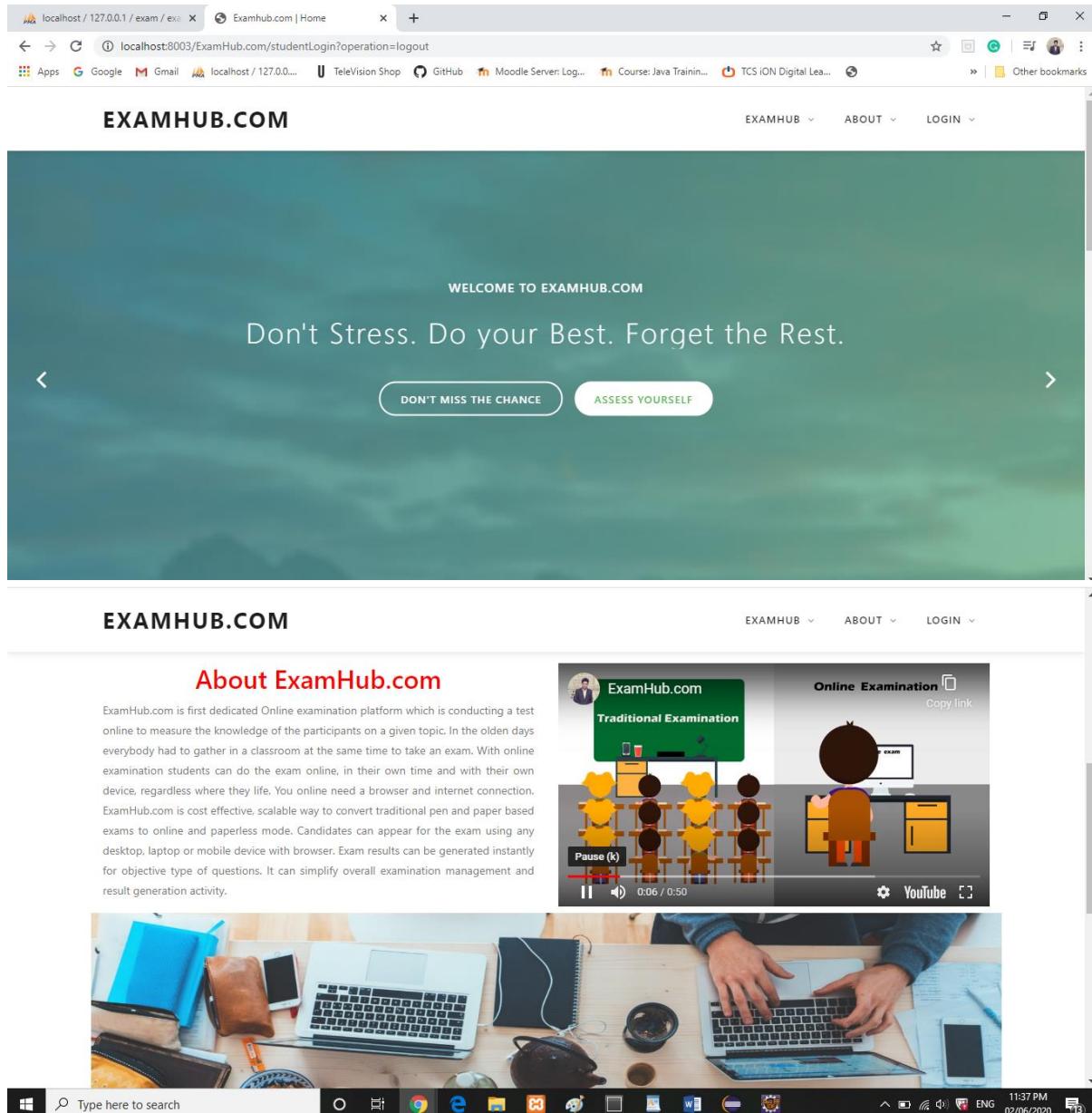
## 12. Component Diagram



### 3.6 Student Interface Design

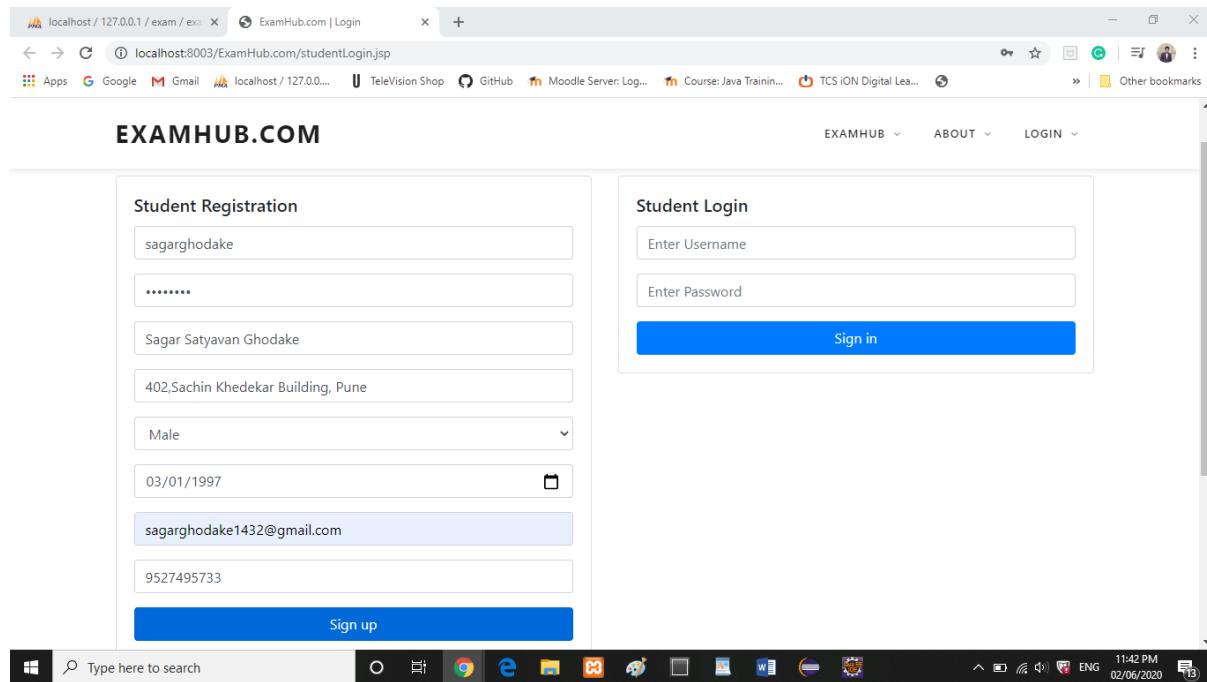
#### Web Page:

This is the ExamHub.com website home page. In this page you can see Blogs, Upcoming exam events, Scope & importance, Success stories, About ExamHub and contact us. We can see Registration & Login form. If you are already registered then you can login to website otherwise you must register first.

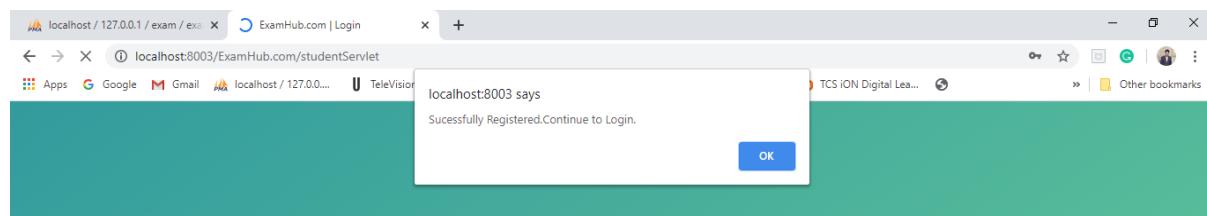


## Student Registration:

Student registration form allows you to register to the ExamHub.com website as a student. The form contains personal information of student such as name, address, DOB, mail-id, contact details. Once student get registered then he/she can login easily.

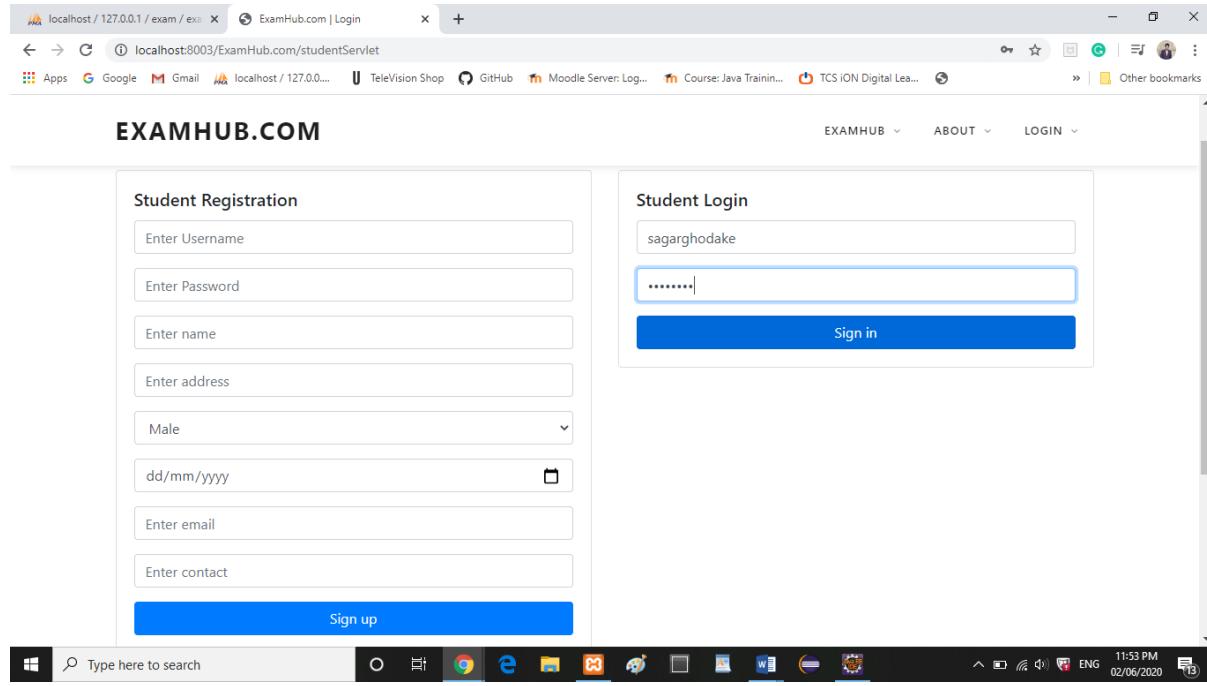


After clicking Sign up button student register to the website.

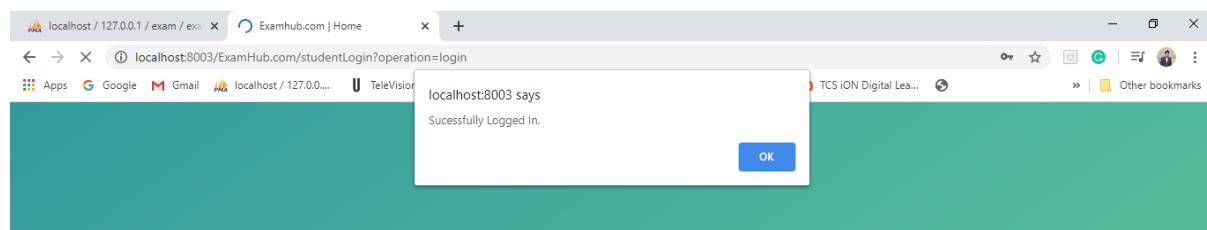


## Login Page:

If the Student is already registered to the website then he/she can go for Login page. In Login form fill the details that is username and password. Then click on Sign in button.



after clicking Sign in button.

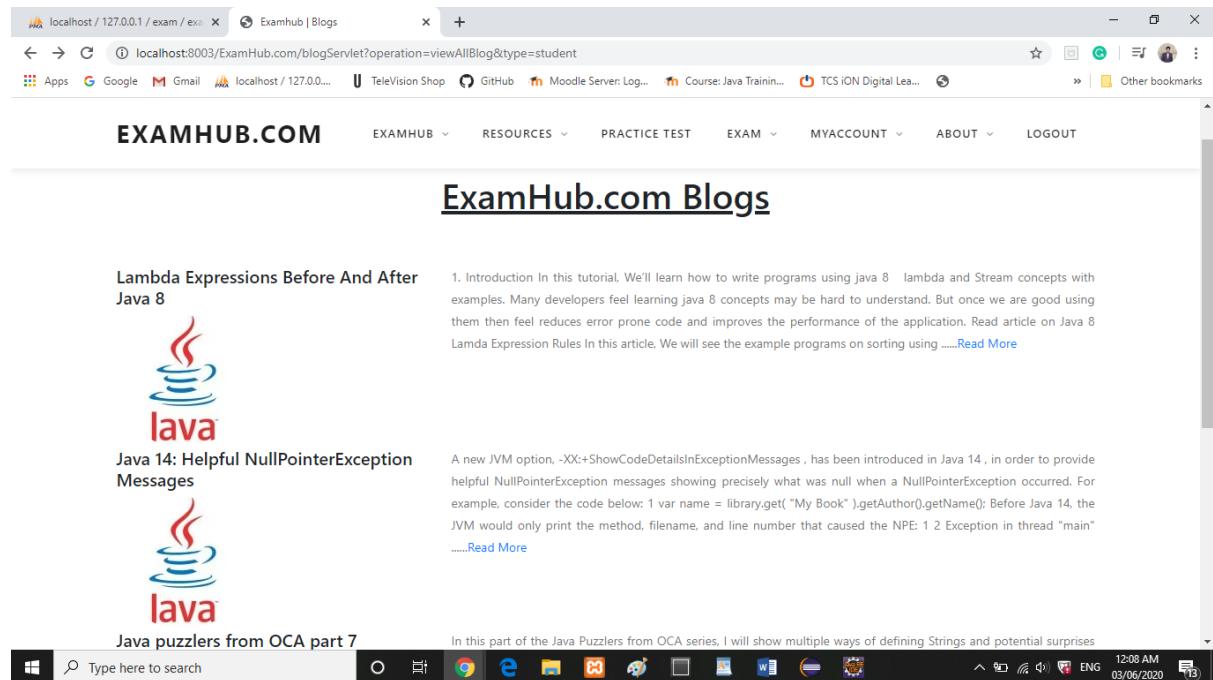


## Home Page:

This is the home page of ExamHub.com website. Home page contains ExamHub, Resources, Practice test, Exams, My Account, About, Logout menus.

The screenshot shows the ExamHub.com website. At the top, there is a navigation bar with links for EXAMHUB, RESOURCES, PRACTICE TEST, EXAM, MYACCOUNT, ABOUT, and LOGOUT. Below the navigation bar, the main content area features a section titled "About ExamHub.com". This section includes a short text description of the platform's purpose and benefits, followed by a video player showing a classroom setting where students are taking an online exam. Below the video are two large, overlapping photographs of wooden desks with various electronic devices like laptops, tablets, and smartphones, illustrating a modern study environment.

## ExamHub Blogs:



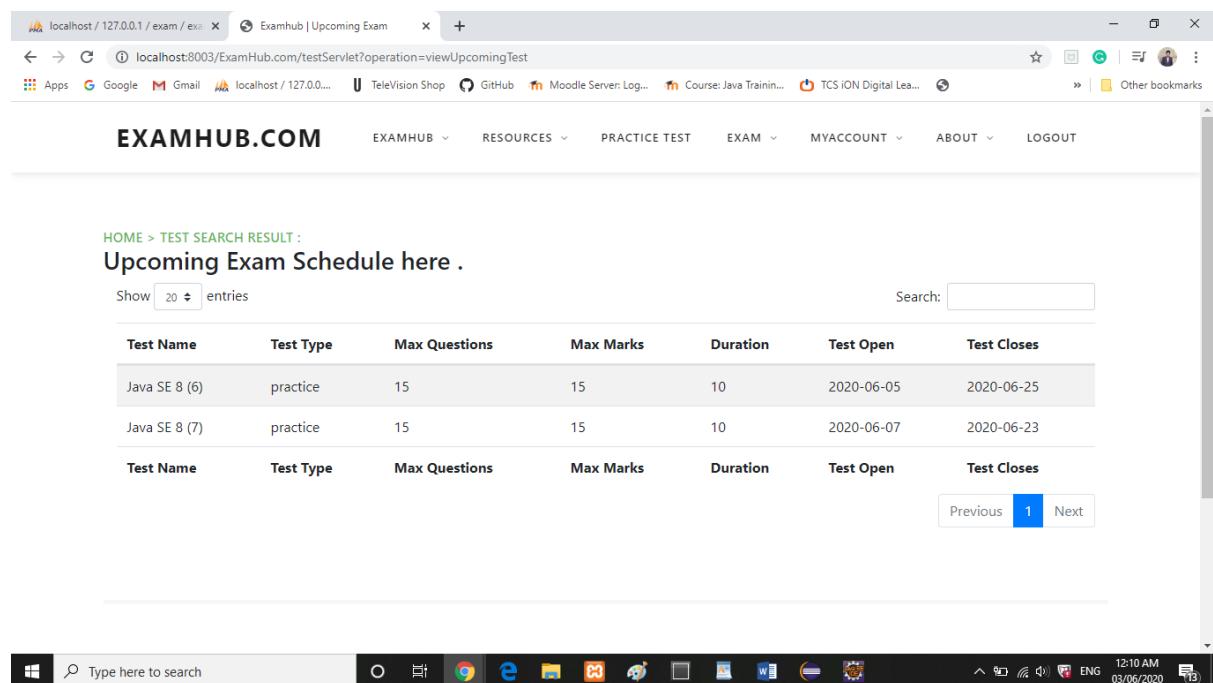
**Lambda Expressions Before And After Java 8**

1. Introduction In this tutorial, We'll learn how to write programs using java 8 lambda and Stream concepts with examples. Many developers feel learning java 8 concepts may be hard to understand. But once we are good using them then feel reduces error prone code and improves the performance of the application. Read article on Java 8 Lambda Expression Rules In this article, We will see the example programs on sorting using .....[Read More](#)

**Java 14: Helpful NullPointerException Messages**

A new JVM option, `-XX+ShowCodeDetailsInExceptionMessages`, has been introduced in Java 14, in order to provide helpful NullPointerException messages showing precisely what was null when a NullPointerException occurred. For example, consider the code below: 1 var name = library.get("My Book").getAuthor().getName(); Before Java 14, the JVM would only print the method, filename, and line number that caused the NPE: 1 2 Exception in thread "main" .....[Read More](#)

## Upcoming Exam Events:



Test Name	Test Type	Max Questions	Max Marks	Duration	Test Open	Test Closes
Java SE 8 (6)	practice	15	15	10	2020-06-05	2020-06-25
Java SE 8 (7)	practice	15	15	10	2020-06-07	2020-06-23

## Scope & Importance:

**ADVANTAGES OF ONLINE EXAMINATION SYSTEM**

- 1. ExamHub.com is a computerized system which gives instant results and also saves time.
- 2. It fully automates the previous manual process of taking written exams.
- 3. It is implemented by web based ExamHub.com software variance.
- 4. ExamHub.com is able to reduce the workload of teachers by using automated test paper exams and marking schemes.
- 5. Students can study independently for example at home or any place.
- 6. The amount of time given at a particular question gives you the ability of Quick Learning Quick Thinking etc.
- 7. The data in ExamHub.com is regenerated repeatedly so that students have access to new data.

**PROPOSED SYSTEM**

This web based application is used to conduct online examination. The students can sit at individual terminals and login to write the exam in the provided duration. The questions have to be given to the students. This web application will perform correction, display the result instantly as well as store it in database. This web application gives the administrator with a facility to add new exams. This application provides the Instructor to add questions to the exam test paper, modify questions in the exam in a particular exam test paper. This web application takes care of authentication of the administrator, Instructor and the student. The advanced computerized system is developed with the aim to get over the drawbacks of existent manual systems. We had studied manual Examination system of XYZ College and identified possible

## Success Stories:

**Sucess Stories**



James A. Gosling, O.C., Ph.D. (born May 19, 1955 near Calgary, Alberta, Canada) is a famous software developer, best known as the father of the Java programming language. The story of James Gosling and Java is a classic tale of disruptive discovery in the new economy. It began in the early 1990s while Gosling was a lead engineer for Sun Microsystems, the networked computing pioneer that was about to make its debut on the Fortune 500. Gosling began working on a secret task force called "The Green Project" to investigate and address future issues for Sun as new technologies like the Internet were coming of age. As the project developed, it became ... [Read More](#)



Steve Jobs has been known as an iconic figure for the establishment of Apple like the biggest company. However, it is extremely shocking to know that the \$2 billion company with over 4000 employees has been started with only two persons in a garage. It is also to be noticed that this great establisher has been dismissed and fired from the company from which he has started his career. Further, realizing his potential and capabilities, Steve Jobs proceeded further towards establishing this biggest company which is famously known as Apple.

## Placement:

The screenshot shows a browser window for ExamHub.com Admin | Jobs. The URL is localhost:8003/ExamHub.com/jobListing?operation=view. The page displays a list of job postings under the heading 'EXAMHUB.COM'. The columns include Type, Title, Date of Posting, and Apply. There are 10 entries shown.

Type	Title	Date of Posting	Apply
Full-time	Urgent Requirement for PHP Developer_PH_003RTZ0620 at Confidential in Mumbai	01-06-2020	<a href="#">Apply</a>
Full-time	Urgently Hiring Java Developer- Goregaon. JD/P/20/06/002-RTZ at Confidential in Mumbai	01-06-2020	<a href="#">Apply</a>
Full-time	Urgently Hiring Asp.Net Developer- Goregaon JD/P/20/0/001-RTZ at Confidential in Mumbai	01-06-2020	<a href="#">Apply</a>
Full-time	Urgent Opening For software testing (Exp.)_T_065AOT0520 at Confidential in Mumbai	30-05-2020	<a href="#">Apply</a>
Full-time	Urgent Opening For software testing (Exp.)_T_064ZYR0520 at Confidential in Navi Mumbai	30-05-2020	<a href="#">Apply</a>
Full-time	Urgent Requirement for Frontend Developer Fresher FD_063XZE0520 at Confidential in Mumbai	30-05-2020	<a href="#">Apply</a>
Full-time	Urgent Requirement for Angular Developer Fresher AD_062XZE0520 at Confidential in Mumbai	30-05-2020	<a href="#">Apply</a>
Full-time	PU_T_061NBP0520(Check only if SMS received else you will BLACK LISTED) at Confidential in Pune	28-05-2020	<a href="#">Apply</a>
Full-time	Urgent Requirement for Dot Net Developer_N_060ETR0520 at Confidential in Mumbai	28-05-2020	<a href="#">Apply</a>
	smarthunt4u.com/job/16857/urgent-requirement-for-php-developer_ph_003rtz0620-at-confidential/_Exp._T_059QVR520 at Confidential in Mumbai	27-05-2020	<a href="#">Apply</a>

## Interview Preparation:

The screenshot shows a browser window for Examhub | Interview. The URL is localhost:8003/ExamHub.com/nontechnical.jsp. The page displays 'Interview Questions & Answers'.

**1. Tell me about yourself.**

The FIRST & BEST question for any HR interview. The answer to this basically sets the tone of rest of the interview.  
Give a brief of your education background (up to plus two is fine, your family and location, any of your hobbies etc).  
You can also mention one of your major achievements, if it fits the circumstance.  
Keep the answer to just about 3-4 sentences and not more than that.  
No need to explain your strengths & weakness at this points (as that will definitely come along).  
A common mistake seen is most HR interview is to start the sentence like "I am basically from..." No need to start a sentence like that.  
Keep the answer simple, to the point and give space and time for further questions. Do not stretch it too much.

**Example:**

"First of all, many thanks for calling me and giving me this golden opportunity to introduce myself in front of you. Hi I am Kiran and hails from Bangalore. I did my B.Tech in electronics and communication from Ramaiah College of engineering, which is under Bangalore University. I had completed my plus two from Chinmayi Vidhya Mission School and secured 98% in CBSE Boards. I have four members in my family and I am the youngest son. I love outdoor sports, specifically athletics and was a member of college athletic team."

**2. What are your key strengths ?**

This is another most common question in any HR interview. The idea here is to understand how much you know about yourself and how confident you are about your strengths.  
Just stay positive. Even a simple answer like "I am a very positive person" is good enough.  
You can also change this as per the requirement of the interview. Knowing a bit about the profile you are being interviewed helps as well.

## Question Bank:

The screenshot shows a web browser window for ExamHub.com. The title bar says "localhost / 127.0.0.1 / exam / exa" and "ExamHub.com | Question Bank". The page header includes links for EXAMHUB, RESOURCES, PRACTICE TEST, EXAM, MYACCOUNT, ABOUT, and LOGOUT. The main content area is titled "Question Bank:" and "Interview Questions". Below this, a section titled "Most Frequently asked Technical Interview Questions(Quality Kiosk)" displays a list of 11 questions. A note at the top states: "NOTE: Most of the questions in technical aptitude were based on STLC". The questions are numbered 1 through 11 and cover topics like testing types, developer processes, and defect handling.

## Rules & Regulations:

The screenshot shows a web browser window for Examhub.com. The title bar says "localhost / 127.0.0.1 / exam / exa" and "Examhub | Rules & Regulations". The page header includes links for EXAMHUB, RESOURCES, PRACTICE TEST, EXAM, MYACCOUNT, ABOUT, and LOGOUT. The main content area is titled "Rules & Regulations:". Below this, a list of 11 rules provides instructions for taking online tests, such as logging in, having internet access, rebooting the computer, and avoiding certain software during the exam.

## Study Materials:

The screenshot shows a web browser window for ExamHub. The URL is [localhost:8003/ExamHub.com/studyMaterial.jsp](http://localhost:8003/ExamHub.com/studyMaterial.jsp). The page title is "Examhub | Upcoming Test". The main content is titled "HOME > OFFLINE MATERIAL : Click to View & Download .". It displays a table with 10 entries of study materials, each with a "View/Download" link. The entries include "Head First Java 2nd Edition", "Setup-and-Config", "OCA Java SE 8 Programmer I Certification Guide", "python\_book", "Programming Python, 4th Edition (2010)", "Servlet-Basics", "Configuring-Databases", "Accessing-Databases-JDBC", "CRACKING the - CODING INTERVIEW", and "JSP-and-JavaBeans". Below the table are navigation buttons for "Previous", "1", "2", and "Next". The browser's address bar shows the full URL. The taskbar at the bottom includes icons for File Explorer, Google Chrome, Microsoft Edge, and other applications.

## Practice Test:

Student can take a practice test before attempting the final exam. Practice test contains test information such as test name, test type, maximum questions, duration, test closes date.

The screenshot shows a web browser window for ExamHub. The URL is [localhost:8003/ExamHub.com/testServlet?operation=searchTestPapers&type=practice](http://localhost:8003/ExamHub.com/testServlet?operation=searchTestPapers&type=practice). The page title is "Examhub | Test". The main content is titled "HOME > TEST SEARCH RESULT : Click on Attempt Test to start the Exam .". It displays a table with 5 entries of practice tests, each with an "Attempt Test" link. The entries are "Java SE 8", "Java SE 8 (2)", "Java SE 8 (3)", "Java SE 8 (4)", and "Java SE 8 (5)". Below the table are navigation buttons for "Previous", "1", and "Next". The browser's address bar shows the full URL. The taskbar at the bottom includes icons for File Explorer, Google Chrome, Microsoft Edge, and other applications.

**Exam:**

Exam menu contains the list of exam where student can take exam and assess himself/herself.

Test Name	Test Type	Max Questions	Max Marks	Duration	Test Closes	Attempt Test
Java SE 8	mock	30	30	30	No Close Date	<a href="#">Attempt Test</a>
Java SE Eval 2	mock	30	30	25	No Close Date	<a href="#">Attempt Test</a>
Java SE Eval 3	mock	30	30	25	No Close Date	<a href="#">Attempt Test</a>
Java SE Eval 4	mock	30	30	25	No Close Date	<a href="#">Attempt Test</a>

After clicking **Attempt Test** button,

Test Name	Test Type	Max Questions	Max Marks	Duration	Test Closes	Attempt Test
Java SE 8	mock	30	30	30	No Close Date	<a href="#">Attempt Test</a>
Java SE Eval 2	mock	30	30	25	No Close Date	<a href="#">Attempt Test</a>
Java SE Eval 3	mock	30	30	25	No Close Date	<a href="#">Attempt Test</a>
Java SE Eval 4	mock	30	30	25	No Close Date	<a href="#">Attempt Test</a>

Now exam started, On the upper edge there is remaining timing status for exam.

localhost / 127.0.0.1 / exam / ex... | Examhub | Test | ExamHub.com | Test

**EXAMHUB.COM**

HOME > TEST SEARCH RESULT :  
Time Left : 2m : 16s

**Java SE 8 (4) : practice:**

Q 7 :  
Suppose that you would like to create an instance of a new Map that has an iteration order that is the same as the iteration order of an existing instance of a Map. Which concrete implementation of the Map interface preserves the iteration order of the existing instance?  
 OLinkedHashMap  
 OTreeMap  
 OThe answer depends on the implementation of the existing instance.  
 OHashMap

Previous 1 ... 4 5 6 7 8 Next

After submitting exam,

localhost / 127.0.0.1 / exam / ex... | Examhub | Test | ExamHub.com | Test

**EXAMHUB.COM**

HOME > TEST SEARCH RESULT :  
Time Left : 1m : 54s

**Java SE 8 (4) : practice:**

Submit Test

localhost:8003 says

DataTables warning: table id=DataTable - Cannot reinitialise DataTable.  
For more information about this error, please see <http://datatables.net/tn/3>

OK

Previous 1 ... 4 5 6 7 8 Next

Copyright © ExamHub.com 2020 || Designed By: Sagar Ghodake

## Result:

Result shows the fully analyzed result for given exam by student.

The screenshot shows a table of test results with the following columns: Test Name, Test Type, Max Questions, Max Marks, Duration, Test Closes, and Attempt Test. The table contains four entries:

Test Name	Test Type	Max Questions	Max Marks	Duration	Test Closes	Attempt Test
Java SE 8	mock	30	30	30	No Close Date	<a href="#">View Result</a>
Java SE Eval 2	mock	30	30	25	No Close Date	<a href="#">Attempt Test</a>
Java SE Eval 3	mock	30	30	25	No Close Date	<a href="#">Attempt Test</a>
Java SE Eval 4	mock	30	30	25	No Close Date	<a href="#">Attempt Test</a>

Showing 1 to 4 of 4 entries

After clicking **View Result**, The result page shows result in analyzed format. It shows you test name, test type, subject, grade, total attempted, total marks, marks obtained, rank, grade obtained, percentile, accuracy, attempted and report analysis.

The screenshot shows the 'Summary Of Previous Attempt:' section with the following table:

Test Name	Test Type	Subject	Grade
Java SE 8 (4)	practice	Java	Failed

The 'Result Analysis & n Report:' section includes the following data:

Total Attempt	Total Marks	Marks Obtained	Rank	Grade Obtained
9.0	7	4	6.0	C

The 'Percentile' chart shows a value of 33.3%.

The 'Accuracy' chart shows a value of 77.7%.

The 'Attempted' section shows a green circle indicating full attempt.

The 'Result Analysis' section shows a pie chart titled 'Overall number of students achieving grade ranges' with the following data:

Grade Range	Percentage
less than 40%	22.2%
less than 50%	22.2%
less than 75%	44.4%
75% or greater	11.1%

**Change Password:**

The screenshot shows a web browser window with the URL [localhost:8003/ExamHub.com/changepassword.jsp](http://localhost:8003/ExamHub.com/changepassword.jsp). The page title is "ExamHub.com | Change Password". The main content area contains a "Change Password" form with two input fields: the first is empty and the second is filled with ".....". Below the fields is a blue "Change Password" button. The browser's address bar shows the current URL. The top navigation bar includes links for EXAMHUB, RESOURCES, PRACTICE TEST, EXAM, MYACCOUNT, ABOUT, and LOGOUT.

**Edit Profile:**

The screenshot shows a web browser window with the URL [localhost:8003/ExamHub.com/editProfile.jsp](http://localhost:8003/ExamHub.com/editProfile.jsp). The page title is "ExamHub.com | Edit Profile". The main content area contains an "Edit Profile" form with several input fields: name ("Sagar Satyavan Ghodake"), address ("402,Sachin Khedekar Building,Narhegaon,Pune"), gender ("Male"), date of birth ("03/01/1997"), email ("sagarghodake1432@gmail.com"), and phone number ("9527495733"). Below the fields is a blue "Edit Profile" button. The browser's address bar shows the current URL. The top navigation bar includes links for EXAMHUB, RESOURCES, PRACTICE TEST, EXAM, MYACCOUNT, ABOUT, and LOGOUT.

## About ExamHub.com:



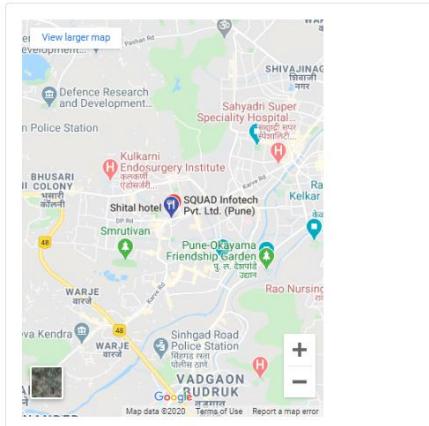
**Sagar Ghodake**  
ExamHub.com Developer  
sagarghodake1432@gmail.com

**About ExamHub.com**

ExamHub.com provides secured and safe platform to examiners for conducting online exams at institutes, colleges, schools, universities and any educational center. Not only this student can give online exams from the center as well as from their homes too on desktop, laptop, tablet, mobile browser and any android device. ExamHub is loaded with number of benefits like you can manage student records, create different types of questions, registration, can easily get detailed analysis report and most important privacy and security etc. In the modern era of world everything has become digital and online exam software's are most trending as it reduces human effort and provides accurate results in just few minutes. So it becomes very difficult and important to choose the right one. Keeping your all needs and concerns in mind ExamHub.com furnish you the most trusted and unique platform among all the online exam software's.

In today's world this learning capability is judged by means of examinations. Examinations are every important in judging one's personality. Thus, the need of exams today in universities, schools, colleges and even companies for recruitment purposes. The general paper-pencil tests/exams are now slowly being replaced by the online internet based testing system. We provide a huge Collection of tests and category for student like Online Aptitude test, Bank PO, PSC, Programming Languages(c,c++,PHP,DotNet,etc), Quiz competition , Maths, General English, Grammar and many more. This System helps for every field like first class to higher secondary, collage to competition exam and recruitments test etc. It is very useful for parents in the academic development of kids to improve their educational skills.

## Contact Us:



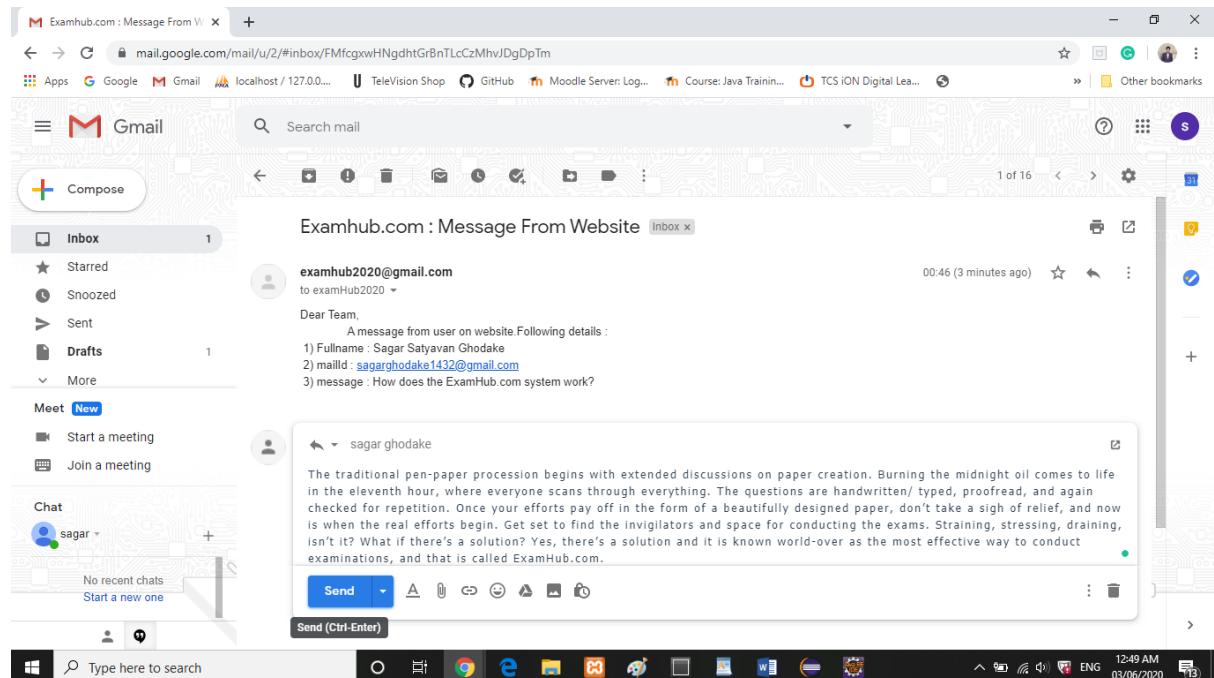
**Contact Us**

Sagar Satyavan Ghodake  
sagarghodake1432@gmail.com

How does the ExamHub.com system work?

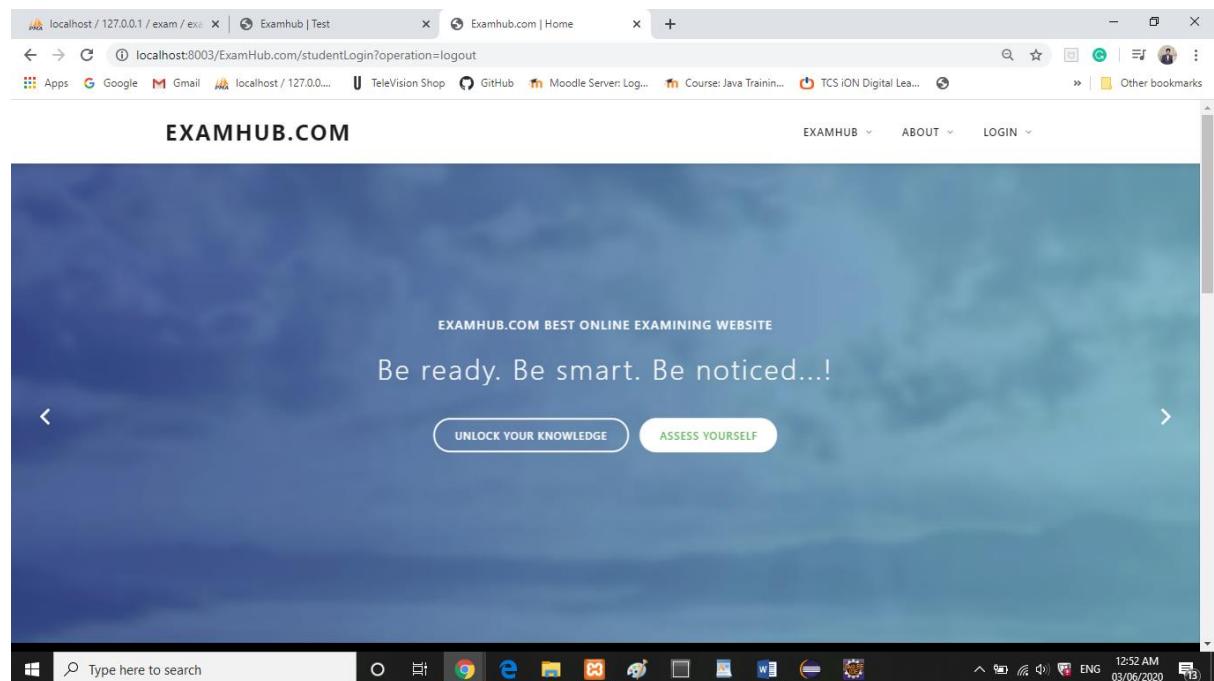
**Send Mail ExamHub.com**

After clicking **Send mail ExamHub.com**,



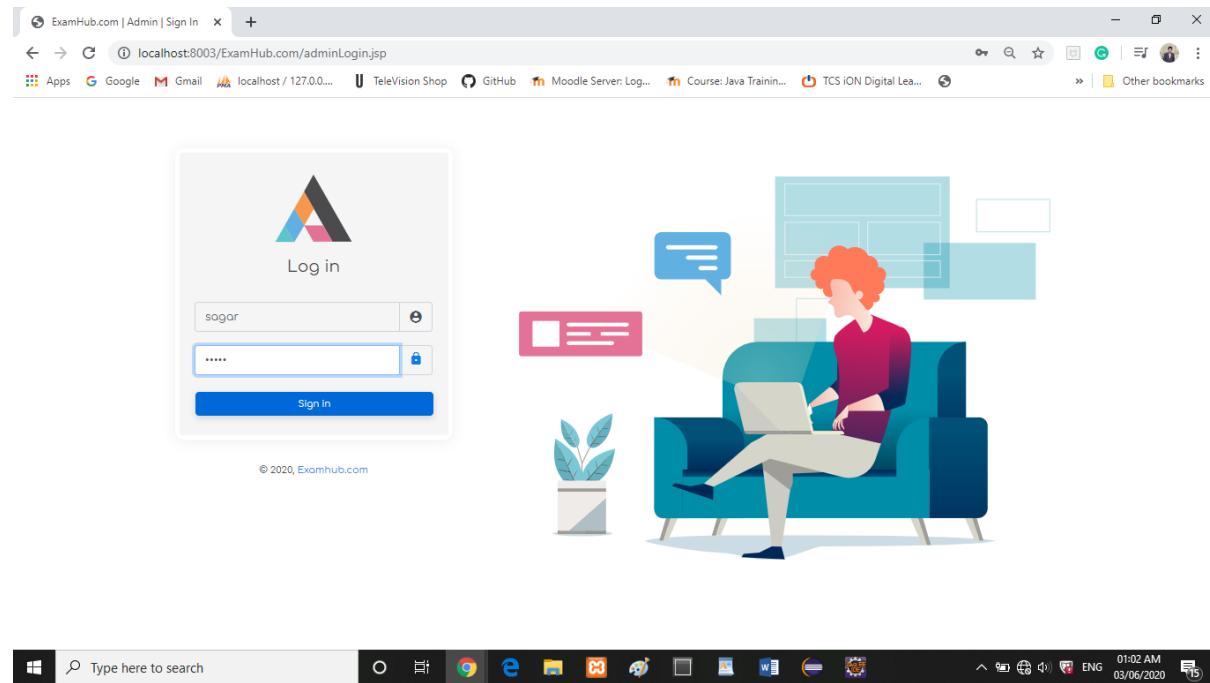
**Logout:**

After clicking logout,



### 3.7 Admin Interface Design

#### Admin Login:



#### Admin Dashboard:

## Add Exam Category:

The screenshot shows the ExamHub.com Admin Panel interface. The left sidebar contains navigation links: Dashboard, Exam Category (selected), Exam SubCategory, Manage Section, Manage Question, Manage Test, Results, and Report. The main content area is titled 'Category' and shows a sub-page for 'Exam Category'. It includes a breadcrumb trail: Home / Exam Category. A note says: 'Manage your Exam Categories here . Categories i.e Domains (e.g., .Banking,Development,Testing)'. Below this is a form titled 'ADD NEW CATEGORY' with a 'Category Name' input field containing 'Government' and a blue 'Add New Category' button. To the right is a 'OPERATIONS' panel with options: '- Add Category' and '- view'. The bottom of the screen shows the Windows taskbar with various pinned icons.

After clicking **Add new Category**, category is added.

The screenshot shows the ExamHub.com Admin Panel with the URL [localhost:8003/ExamHub.com/categoryServlet?operation=viewAllCategories](http://localhost:8003/ExamHub.com/categoryServlet?operation=viewAllCategories). The left sidebar includes links for Dashboard, Exam Category, Exam SubCategory, Manage Section, Manage Question, Manage Test, Results, and Report. The main content area is titled "Category" and shows a list of categories: Software Development, Software Testing, and Government. Each category row has edit and delete icons.

Category ID	Category Name	action
11	Software Development	
12	Software Testing	
13	Government	

## Add Exam Sub-Category:

The screenshot shows the 'Category' section of the ExamHub.com interface. On the left, there's a sidebar with navigation links like Dashboard, Exam Category, Exam SubCategory, Manage Section, Manage Question, Manage Test, Results, and Report. The main area has a heading 'ADD NEW EXAM'. It contains fields for 'Exam Name' (IBPS Exam) and 'Select Exam Category' (Government). Below these is a blue 'Add New Exam' button. To the right, there's a sidebar titled 'OPEARTIONS' with options like 'Add Exam' and 'view'. At the bottom of the page, there's a Windows taskbar with various icons and a search bar.

After clicking Add New Exam, sub category is added.

Exam ID	Exam Name	Exam Category	action
6	Java	Software Development	
7	Python	Software Development	
10	.Net	Software Development	
11	IBPS Exam	Government	

## Manage Section:

**Category**  
Home / Section

Manage your Section in Section here.

**ADD NEW SECTION**

Section Name	English Section
Max Questions	10
Duration	10
Select Exam	IBPS Exam

**OPEARTIONS**

- Add Section
- view

**Add New Section**

After adding English Section and clicking Add New Section,

**Section**  
Home / Section

Manage your Section of Each Exam here.

**Add Section** **View All**

Select Section Exam: Java

**View All Section** **delete All Section**

Section Deleted Successfully.

Section ID	Section Name	Exam Exam	action
8	Java SE 8	Java	
9	Core Python	Python	
10	ASPNET	.Net	
12	English Section	IBPS Exam	

## Manage Question:

Adding a question,

After adding question & clicking on Add New Question,

Question ID	Question	Exam	Section	Action
43	Which of the following is the objective of the Financial Stability & Development council?	IBPS Exam	English Section	

**Manage Test:**

Adding new test,

**ADD NEW TEST**

Test Name	IBPS Test
Test Type	Practice
Test Fee	0
Max Questions	10
Max marks	10
Test Duration	15
Select Exam	IBPS Exam
Open Date :	03/06/2020
Close Date :	12/06/2020

**OPEARTIONS**

- Add Test
- view

After adding new test,

**Test**

Test Id	Test Name	Test Type	Subject	Max Marks	Test Opens	Test Closes	action
13	IBPS Test	Practice	IBPS Exam	10	2020-06-03	2020-06-12	

**Results:**

View all results of all attempted tests by students.

Test Name	Test Type	Student	Marks	Obtained	Grade	Status	Certificate
Java SE 8 (4) Java	practice	anupritishirke	70	6.0	A	Pass	<a href="#">Send Certificate</a>
Java SE 8 (4) Java	practice	pravinvoid	70	6.0	A	Pass	<a href="#">Send Certificate</a>
Java SE 8 (4) Java	practice	pravin345	70	5.0	B	Pass	<a href="#">Send Certificate</a>
Java SE 8 (4) Java	practice	moneesh123	70	4.0	C	Fail	<a href="#">Send Certificate</a>
Java SE 8 (4) Java	practice	rajashree45	70	4.0	C	Fail	<a href="#">Send Certificate</a>
Java SE 8 (4) Java	practice	sagorghodake	70	4.0	C	Fail	<a href="#">Send Certificate</a>
Java SE 8 (4) Java	practice	rakshits31	70	3.0	C	Fail	<a href="#">Send Certificate</a>
Java SE 8 (4) Java	practice	mohesh213	70	2.0	D	Fail	<a href="#">Send Certificate</a>
Java SE 8 (4) Java	practice	tejasshellar23	70	0.0	D	Fail	<a href="#">Send Certificate</a>
Java SE 8 Java	practice	pravinvoid	25.0	0.0	D	Fail	<a href="#">Send Certificate</a>

Showing 1 to 10 of 14 entries

localhost:8003/ExamHub.com/resultServlet?operation=viewAllResult#

**Report:**

Reports:

Reports of ExamHub.com Website ...

Category Report   Exam Report   Student Report

Subject: Java   View Section Report By Exam   All Sections Report

Subject: Java   View Question Report By Subject   All Question Report

Subject: All   Type: All   Test Report By Subject   All Test Report   Upcoming Exam Report

GENERATE RESULT REPORT HERE ...

localhost:8003/ExamHub.com/report.jsp#

## CHAPTER 4: STUDENT MANUAL

### 4.1 Operations Manual / Menu Explanation: -

This Student manual is meant to be used by all Student using the system, with prior training session from the Development unit, plus he/she has to be skilful enough in operating the intended system. This manual is used for the benefit of the intended Student to make it more understandable along with functioning of the system, the processes and the precautions that must be followed during working with the system. It also tells the Student how to use various functionality of the system as various college are being provided according to the type of Student, whenever Student logs into the system.

This System is very easy to operate to those who have the Fundamental knowledge of computer operations & little bit of the help of this Student manual. The appropriate error message & supporting help makes this online web application easy to handle.

Now, in order to get a better understanding of the system various Student interfaces along with directions are also provided in the Student.

#### **Home Page:**

Home page form there is various links for student and admin. If you have already registered then entering username and password you can login directly and you access the facilities provided by the website and if you are new Student then there is registration form for registration except admin.

#### **Student:**

Student is the one who want to access the facilities provided by website. Student have separate login after the registration. Student can login to the system. After login, Student can have different links having information about the system.

**Admin:**

There is only one admin for this site. Here all authorities of report management system were only handled by admin. Admin can add or delete the students, and can see, generate all reports related to the students.

- **Examhub:**

Student can view homepage, blogs, upcoming exam events, scope & importance of online exam, success storied, etc.

- **Resources:**

Student can view placements, interview preparation, question bank, rules & regulations, study materials, etc.

- **Practice Test:**

Student can give a free test for practice.

- **Exam:**

Exam contains different types of categorized exams options where student can choose exam type and give the exam. The exam menu contains different types of exam as well as sub-exams. So that students give exam and assess themselves.

- **My Account:**

Student can view, update their own profile in my account section. My account menu also contains the change password, edit profile, result.

- **About:**

Student can contact with the admin and give feedback to the admin of website. Also here we displayed the details about the site and the contact details of the ExamHub.com website.

- **Logout:**

Student can be logged out from the system.

## 5. DRAWBACKS AND LIMITATIONS

- The current system provides only multiple choices but single correct answer selection.
- Unregistered Students can only access homepage and give practice test not anything else like online video tutorials, job opportunities, and upcoming exam events.
- SMS facility is not available.

## 6. FUTURE ENHANCEMENTS

- Automatic evaluation of program.
- Give accessibility to guest Students also like educational institutes as well as corporate world for taking their exams through ExamHub.com website.
- Make more protected and secure from spam, unwanted data hazard, secure Student profile.
- Generate reports based on results.
- Preview of question paper
- The current system provides only multiple choices but single correct answer selection, Admin may wish to provide multiple choices multiple selection responses.

## **7. CONCLUSION**

ExamHub.com is a user friendly system, which is very easy and convenient to use. The system is complete in the sense that it is operational and it is tested by entering data and getting the reports in proper order. But there is always a scope for improvement and enhancement. During the development of this, coding standards are followed for easy maintainability and extensibility. The “ExamHub.com” has been successfully completed. The goal of system is achieved and problems are solved as well as final reports are generated.

## 8. BIBLIOGRAPHY

### Website:

- [www.javatpoint.com](http://www.javatpoint.com)
- [www.w3school.com](http://www.w3school.com)
- [www.tutorialspoint.com](http://www.tutorialspoint.com)
- [www.eklavvyा.in](http://www.eklavvyा.in)
- [www.geeksforgeeks.org](http://www.geeksforgeeks.org)

## 9. ANNEXURES

### 1. USER INTERFACE SCREENS

#### About ExamHub.com:

**About ExamHub.com**

ExamHub.com provides secured and safe platform to examiners for conducting online exams at institutes, colleges, schools, universities and any educational center. Not only this student can give online exams from the center as well as from their homes too on desktop, laptop, tablet, mobile browser and any android device. ExamHub is loaded with number of benefits like you can manage student records, create different types of questions, registration, can easily get detailed analysis report and most important privacy and security etc. In the modern era of world everything has become digital and online exam software's are most trending as it reduces human effort and provides accurate results in just few minutes. So it becomes very difficult and important to choose the right one. Keeping all your needs and concerns in mind ExamHub.com furnish you the most trusted and unique platform among all the online exam software's.

In today's world this learning capability is judged by means of examinations. Examinations are every important in judging one's personality. Thus, the need of exams today in universities, schools, colleges and even companies for recruitment purposes. The general paper-pen tests/exams are now slowly being replaced by the online internet based testing system. We provide a huge Collection of tests and category for student like Online Aptitude test, Bank PO, PSC, Programming Languages(c,c++,PHP,DotNet,etc), Quiz competition , Maths, General English, Grammer and many more. This System helps for every field like first class to higher secondary, collage to competition exam and recruitments test etc. It is very useful for parents in the academic development of kids to improve their educational skills.

#### Contact Us:

**Contact Us**

Sagar Satyavan Ghodake  
sagarghodake1432@gmail.com  
How does the ExamHub.com system work?

**Send Mail ExamHub.com**

## 2. OUTPUT REPORTS WITH DATA

### Category Report:

Category ID	Category Name
11	Software Development
12	Software Testing
13	Government

### Exam Report:

Exam ID	Exam Name	Exam Category
6	Java	Software Development
7	Python	Software Development
10	.Net	Software Development
11	IBPS Exam	Government

## Student Report:

Screenshot of a web browser showing the "Student Report" page. The page title is "Student Report". Below the title is a table with 18 entries of student data. The columns are: Student Name, Username, password, address, gender, dob, mail, contact, and reg. date.

Student Name	Username	password	address	gender	dob	mail	contact	reg. date
	omitshinde	779248731		Male				2020-06-02
ajit shinde	ajitshinde	2019559494	satara	Male	1996-12-05	shinde@gmail.com	9587456212	2020-05-30
ANGAD SHARMA	angadsh	20217938075	dattanage,pune	Male	1993-11-11	ksjlkjskfk@gmail.com	6678767890	2020-05-29
Anupriti Shirke	anupritisirke	46792755	kothapur.	Female	1995-09-02	rakshits31@gmail.com	7890	2020-06-02
farhan akthar	farhan123	46792755	pune.	Male	1993-12-03	farhanak@gmail.com	45678	2020-06-02
maheSh squad	maheSh213	46792755	kothrud,pune.	Male	1995-01-20	maheSh45@gmail.com	8879	2020-06-02
manesh kumar	manesh123	46792755	bihar.	Male	1992-07-11	m@gmail.com	67845	2020-06-02
pravin singh	pravin345	46792755	karvenagar,pune	Male	1993-12-16	pravin345@gmail.com	78947	2020-06-02
pravin valdyo	pravinvald	-1744942811	dattanage,pune	Male	1992-11-16	montyshetty11@gmail.com	8898908907	2020-06-02
rajashree kumbhar	rajashree45	46792755	kothapur.	Female	1994-10-12	raju23@gmail.com	87846	2020-06-02

Showing 1 to 10 of 18 entries



Screenshot of Microsoft Excel displaying the "Student Report.csv" file. The data is identical to the one shown in the web browser. The columns are: Student N, Username, password, address, gender, dob, mail, contact, and reg. date.

Student N	Username	password	address	gender	dob	mail	contact	reg. date
1	amitshind	7.79E+08		Male				
2	ajit shinde	2.02E+09	satara	Male	#####	shinde@g	9.59E+09	#####
3	ANGAD SHARMA	2.02E+09	dattanage	Male	#####	ksjlkjskfk	6.68E+09	#####
4	Anupriti Shirke	46792755	kothapur.	Female	#####	rakshits31	7890	#####
5	farhan akt farhan123	46792755	pune.	Male	#####	farhanak@	45678	#####
6	maheSh squad	maheSh213	46792755	kothrud,p	Male	#####	maheSh45	8879
7	manesh kumar	manesh123	46792755	bihar.	Male	#####	m@gmail.com	67845
8	pravin singh	pravin345	46792755	karvenagar	Male	#####	pravin345	78967
9	pravin val pravinvald	-1.7E+09	dattanage	Male	#####	montyshetty11	8898908907	#####
10	rajashree rajashree4	46792755	kothapur.	Female	#####	raju23@g	87866	#####
11	rakshit sar rakshits31	1.16E+09	teleco col male	Male	#####	rakshits31	880	#####
12	ranjeet shranjeet31	46792755	balajimage	Male	#####	rony54@g	8897	#####
13	sagar ghac sagar123	0	kothapur.	Male	#####	sagarghoc	123	#####
14	Sagar Gho sagar	1.79E+09	Narhegaon	Male	#####	sagarghoc	9.53E+09	#####
15	Sagar Saty sagarhoo	46792755	402,Sachir	Male	#####	sagarghoc	9.53E+09	#####
16	sidhanath sidhu	2.21E+08	Satara	Male	#####	sidhu49@	9.88E+09	#####
17	tejas shel tejasshela	-1.9E+09	pune	Male	#####	tejasshela	77845	#####
18	vallabh p vallabh12	2.02E+09	kothrud,p	Male	#####	vallabhph9	6789	#####

6/3/2020 ExamHub.com | Admin | Student Report

Student Name	Username	Password	Address	gender	dob	mail	contact	reg date
omitshinde	779248731		Mole					2020-06-02
ojit shinde	ojitshinde	209559494	satara	Mole	1996-12-05	shinde@gmail.com	987456212	2020-05-30
ANGAD SHARMA	ongodsha	2021938075	dattanager,pune	Mole	1993-11-11	ksjikskjh@gmail.com	6678767890	2020-05-29
Anupriti Shirke	onupritishirke	46792755	kothopur.	Female	1995-09-02	rakshits31@gmail.com	7890	2020-06-02
farhan akthor	farhan123	46792755	pune.	Mole	1993-12-03	farhanak@gmail.com	45678	2020-06-02
mohesh squad	mchesh213	46792755	kothrud,pune	Mole	1995-01-20	mchesh145@gmail.com	8879	2020-06-02
monish kumar	mcneesh123	46792755	bihar.	Mole	1992-09-11	m@gmail.com	67845	2020-06-02
pravin singh	pravin345	46792755	karvenagar,pune	Mole	1993-12-16	pravin345@gmail.com	78967	2020-06-02
pravin vaidya	pravinvoid	-1744942811	dattanager,pune	Mole	1992-11-16	mcnayshetty11@gmail.com	8898908907	2020-06-02
rajahree kumbhor	rajoshree45	46792755	kothopur.	Female	1994-10-12	raju23@gmail.com	87866	2020-06-02
rakshit sorvathom snetty	rakshits31	T163280337	teleco colony dattanager pune	Mole	16/11/1992	rakshits31@gmail.com	880	2020-06-02
ranjeet	ranjeet31	46792755	balojinger,pune	Mole	1991-09-19	rony54@gmail.com	8897	2020-

## Section Report by Exam:

localhost:8003/ExamHub.com/reportServlet?reportName=Section&examId=6

Section Report

Section ID	Section Name	Subject (Exam) Name
8	Java SE 8	Java

Showing 1 to 1 of 1 entries

**All Section Reports:**

ExamHub.com | Admin | Exam    ExamHub.com | Admin | Exam Report

localhost:8003/ExamHub.com/reportServlet?reportName=Section

Apps Google Gmail localhost / 127.0.0... TeleVision Shop GitHub Moodle Server Log... Course: Java Trainin... TCS iON Digital Lea... Other bookmarks

## Section Report

Section ID	Section Name	Subject (Exam) Name
8	Java SE 8	Java
9	Core Python	Python
10	ASP.NET	.Net
12	English Section	IBPS Exam

Showing 1 to 4 of 4 entries

PREVIOUS 1 NEXT

**Question Report By Subject:**

ExamHub.com | Admin | Exam    ExamHub.com | Admin | Question

localhost:8003/ExamHub.com/reportServlet?reportName=question&examId=6

Apps Google Gmail localhost / 127.0.0... TeleVision Shop GitHub Moodle Server Log... Course: Java Trainin... TCS iON Digital Lea... Other bookmarks

## Question Report By Subject

Question ID	Question	Exam	Section	option 1	option 2	option 3	option 4	Answer
13	What will be the output of the following program? import java.util.*; public class TimeUp { public static void main(String[] args) { StringBuffer exam = new StringBuffer("GATE"); Formatter time = new Formatter(exam); time.close(); System.out.println(time); } }	Java	Java SE 8	EMPTY	GATE	Compilation Error	Runtime Error	Runtime Error
14	Which four options describe the correct default values for array elements of the types indicated? 1) int -> 0 2) String -> null 3) Dog -> null 4) char -> '\u0000' 5) float -> 0.0f 6) boolean -> true	Java	Java SE 8	1, 2, 3, 4	1, 3, 4, 5	2, 4, 5, 6	3, 4, 5, 6	1, 3, 4, 5
15	Which one of these lists contains only Java programming language keywords?	Java	Java SE 8	class, if, void, long, Int, continue	goto, instanceof, native, finally, default, throws	try, virtual, throw, final, volatile, transient	strictfp, constant, super, implements, do	goto, instanceof, native, finally, default, throws
16	Which will legally declare, construct, and initialize an array?	Java	Java SE 8	int [] myList = {"1", "2", '3'};	int [] myList = {5, 8, 2};	int myList [] [] = {4,9,7,0};	int myList [] = {4, 3, 7};	int myList [] = {4, 3, 7};
17	Which is a reserved word in the Java programming language?	Java	Java SE 8	method	native	subclasses	reference	native

## All Question Report:

Question ID	Question	Exam	Section	option 1	option 2	option 3	option 4	Answer
13	What will be the output of the following program? import java.util.*; public class TimeUp { public static void main(String[] args) { StringBuffer exam = new StringBuffer("GATE"); Formatter time = new Formatter(exam); time.close(); System.out.println(time); } }	Java	Java SE 8	EMPTY	GATE	Compilation Error	Runtime Error	Runtime Error
14	Which four options describe the correct default values for array elements of the types indicated? 1) int -> 0 2) String -> null 3) Dog -> null 4) char -> '\u0000' 5) float -> 0.0f 6) boolean -> true	Java	Java SE 8	1, 2, 3, 4	1, 3, 4, 5	2, 4, 5, 6	3, 4, 5, 6	1, 3, 4, 5
15	Which one of these lists contains only Java programming language keywords?	Java	Java SE 8	class, if, void, long, Int, continue	goto, instanceof, native, finally, default, throws	try, virtual, throw, final, volatile, transient	strictfp, constant, super, implements, do	goto, instanceof, native, finally, default, throws
16	Which will legally declare, construct, and initialize an array?	Java	Java SE 8	int [] myList = {"1", "2", "3"};	int [] myList = {5, 8, 2};	int myList [] = {4,9,70};	int myList [] = {4, 3, 7};	int myList [] = {4, 3, 7};
17	Which is a reserved word in the Java programming language?	Java	Java SE 8	method	native	subclasses	reference	native

ExamHub.com Admin Question Report.csv - Excel (Unlicensed Product)																													
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD
1	Question	Exam	Section	option 1	option 2	option 3	option 4	Answer																					
2	13	What will Java		Java SE 1: EMPTY	GATE	Compiler	Runtime	Error																					
3	14	Which of Java		Java SE 1, 2, 3, 4, 5, 6, 3, 4, 5, 6, 1, 3, 4, 5																									
4	15	Which of Java		Java SE 1: class, if, goto, instanceof, native, finally, default, throws																									
5	16	Which in Java		Java SE 1: int myList = [1, 2, 3]; int myList int myList int myList ] = [4, 3, 7];																									
6	17	Which is Java		Java SE 1: method, native, subclass, reference, native																									
7	18	Which is Java		Java SE 1: interface, string, float, unsigned, interface																									
8	19	Which in Java		Java SE 1: 1, 2, 3, 4, 5, 6, 1, 2, 3, 4, 5, 6, 1, 2, 3, 4, 5, 6																									
9	20	Which of Java		Java SE 1: 1, 2, 3, 4, 5, 6, 1, 2, 3, 4, 5, 6, 1, 2, 3, 4, 5, 6																									
10	21	Which of Java		Java SE 1: Array a = int [] a = int [1] a = int [5] a = int [1] a = [23,22,21,20,19];																									
11	22	Which in Java		Java SE 1: 2, 4, 1, 3, 6, 3, 5, 5 only, 3, 3, 6																									
12	23	Which in Java		Java SE 1: public class public final static void protect public double method();																									
13	24	Suppose Java		Java SE 1: TreeMap HashMap LinkedHashMap. The ans LinkedHashMap																									
14	25	Which of Java		Java SE 1: java.lang.java.lang.java.lang.java.lang.StringBuffer																									
15	26	Which of Java		Java SE 1: java.util.java.util.java.util.java.util.java.util.ArrayList																									
16	27	You need Java		Java SE 1: java.util.java.util.java.util.java.util.java.util.Set																									
17	28	Which of Java		Java SE 1: java.util.java.util.java.util.java.util.java.util.Map																									
18	29	Which of Java		Java SE 1: java.util.ArrayList Abstract abstract class																									
19	30	Which of Java		Java SE 1: Thread Abstract List none Thread																									
20	31	What will Java		Java SE 1: 2, 2, 3, RunTime Compiler Compilation Error																									
21	32	Which of Java		Java SE 1: super this extent extends extends																									
22	33	A class in Java		Java SE 1: public no private no protect static me private member																									
23	34	What will Java		Java SE 1: 0 1 2 Compiler 2																									
24	35	What will Java		Java SE 1: 12 21 Runtime Compiler 12																									
25	36	Name -p Java		Java SE 1: JDBC ODBC SQL JDBC calls, network protocol																									
26	37	What is Java		Java SE 1: 2, 2, 3 1, 2, 3 3 none of 1, 2, 3, 3																									
27	38	CCP for Java		Java SE 1: 2, 4 1, 2, 3 1, 2, 4 none of 1, 2, 3, 3																									
28	39	Which is Java		Java SE 1: java.awt.java.awt.java.awt.java.awt.java.awt.AWTEvent																									
29	40	The com Java		Java SE 1: debug a compile interpret execute compile a java program																									
30	41	Which of Java		Java SE 1: Java is of Java is el Java is el Java is in Java is object-oriented and interpreted																									
31	42	Java pro Java		Java SE 1: faster to Platform. Not reuse! Not scale! Platform independent																									

**Test Report by Subject:**

**Test Report**

Test Name	Subject	Test Type	Max Questions	Max Marks	Duration	Test Opens	Test Closes
Java SE 8	Java	practice	25	25	15	2020-05-11	2020-05-25
Java SE 8 (2)	Java	practice	20	20	15	2020-05-11	2020-05-18
Java SE 8 (3)	Java	practice	30	30	25	2020-05-11	2020-05-20
Java SE 8 (4)	Java	practice	7	7	5	2020-05-15	2020-05-25
Java SE 8 (5)	Java	practice	12	12	7	2020-06-02	2020-06-25
Java SE 8 (6)	Java	practice	15	15	10	2020-06-05	2020-06-25
Java SE 8 (7)	Java	practice	15	15	10	2020-06-07	2020-06-23

Showing 1 to 7 of 7 entries

**All Test Report:**

**Test Report**

Test Name	Subject	Test Type	Max Questions	Max Marks	Duration	Test Opens	Test Closes
Java SE 8	Java	practice	25	25	15	2020-05-11	2020-05-25
Java SE 8 (2)	Java	practice	20	20	15	2020-05-11	2020-05-18
Java SE 8 (3)	Java	practice	30	30	25	2020-05-11	2020-05-20
Java SE 8 (4)	Java	practice	7	7	5	2020-05-15	2020-05-25
Java SE 8 (5)	Java	practice	12	12	7	2020-06-02	2020-06-25
Java SE 8 (6)	Java	practice	15	15	10	2020-06-05	2020-06-25
Java SE 8 (7)	Java	practice	15	15	10	2020-06-07	2020-06-23

Showing 1 to 7 of 7 entries

## **Upcoming Test Event Report:**

ExamHub.com | Admin | Exam    ExamHub.com | Admin | Test Re...    ExamHub.com | Admin | Test Re... +

localhost:8003/ExamHub.com/reportServlet?reportName=upcomingTest

Apps Google Gmail localhost / 127.0.0.1 TeleVision Shop GitHub Moodle Server Log... Course: Java Trainin... TCS iON Digital Lea... Other bookmarks

# Test Report

[Copy](#) [CSV](#) [Print](#)

Search:

Test Name	Subject	Test Type	Max Questions	Max Marks	Duration	Test Opens	Test Closes
Java SE 8 (6)	Java	practice	15	15	10	2020-06-05	2020-06-25
Java SE 8 (7)	Java	practice	15	15	10	2020-06-07	2020-06-23

Showing 1 to 2 of 2 entries

[PREVIOUS](#) 1 [NEXT](#)

**Result Report:**

ExamHub.com | Admin | Exam    ExamHub.com | Admin | Result

localhost:8003/ExamHub.com/reportServlet?reportName=result

Apps Google Gmail localhost / 127.0.0... TeleVision Shop GitHub Moodle Server Log... Course: Java Trainin... TCS iON Digital Lea... Other bookmarks

## Result Report

Test Name	Test Type	Max Marks	Test Opens	Test Closes	Total Attempt	Passed Count	Failed Count	Certificate Count
IBPS Test IBPS Exam	Practice	10	2020-06-03	2020-06-12	0.0	0	0	0
Java SE 8 (2) Java	practice	20	2020-05-11	2020-05-18	0.0	0	0	0
Java SE 8 (3) Java	practice	30	2020-05-11	2020-05-20	0.0	0	0	0
Java SE 8 (4) Java	practice	7	2020-05-15	2020-05-25	9.0	3	6	2
Java SE 8 (5) Java	practice	12	2020-06-02	2020-06-25	0.0	0	0	0
Java SE 8 (6) Java	practice	15	2020-06-05	2020-06-25	0.0	0	0	0
Java SE 8 (7) Java	practice	15	2020-06-07	2020-06-23	0.0	0	0	0
Java SE 8 Java	practice	25	2020-05-11	2020-05-25	1.0	0	1	1
Java SE 8 Java	mock	30	2020-05-11	No Close Date	4.0	1	3	2
Java SE Eval 2 Java	mock	30	2020-05-11	No Close Date	0.0	0	0	0

Showing 1 to 10 of 12 entries

PREVIOUS 1 2 NEXT



localhost:8003/ExamHub.com/reportServlet?reportName=result#

Windows taskbar showing the Excel application with the result report.

ExamHub.com Admin Result Report.csv - Excel (Unlicensed Product)

File Home Insert Page Layout Formulas Data Review View Help Tell me what you want to do

Clipboard Font Alignment Number Styles Cells Editing

NOTICE Most features are disabled because your Office product is inactive. To use for free, sign in and use the Web version. Activate Use free at Office.com

Test Name	Test Type	Max Mark	Test Open	Test Close	Total Atte	Co Passed	Co Failed	Certificate Count
IBPS Test IBPS Exam	Practice	10	#####	0	0	0	0	0
Java SE 8 (2) Java	practice	20	#####	0	0	0	0	0
Java SE 8 (3) Java	practice	30	#####	0	0	0	0	0
Java SE 8 (4) Java	practice	7	#####	9	3	6	2	
Java SE 8 (5) Java	practice	12	#####	0	0	0	0	
Java SE 8 (6) Java	practice	15	#####	0	0	0	0	
Java SE 8 (7) Java	practice	15	#####	0	0	0	0	
Java SE 8 Java	practice	25	#####	1	0	1	1	
Java SE 8 J mock	mock	30	##### No Close	4	1	3	2	
Java SE Ev mock	mock	30	##### No Close	0	0	0	0	
Java SE Ev mock	mock	30	##### No Close	0	0	0	0	
Java SE Ev mock	mock	30	##### No Close	0	0	0	0	



ExamHub.com | Admim | Result Report

Test Name	Test Type	Max Marks	Test Opens	Test Closes	Total Attempt	Passed Count	Failed Count	Certificate Count
IBPS Test IBPS Exam	Practice	10	2020-06-03	2020-06-12	0.0	0	0	0
Java SE 8 (2) Java	practice	20	2020-05-11	2020-05-18	0.0	0	0	0
Java SE 8 (3) Java	practice	30	2020-05-11	2020-05-20	0.0	0	0	0
Java SE 8 (4) Java	practice	7	2020-05-15	2020-05-25	9.0	3	6	2
Java SE 8 (5) Java	practice	12	2020-06-02	2020-06-25	0.0	0	0	0
Java SE 8 (6) Java	practice	15	2020-06-05	2020-06-25	0.0	0	0	0
Java SE 8 (7) Java	practice	15	2020-06-07	2020-06-23	0.0	0	0	0
Java SE 8 Java	practice	25	2020-05-11	2020-05-25	1.0	0	1	1
Java SE 8 Java	mock	30	2020-05-11	No Close Date	4.0	1	3	2
Java SE Eval 2 Java	mock	30	2020-05-11	No Close Date	0.0	0	0	0
Java SE Eval 3 Java	mock	30	2020-05-11	No Close Date	0.0	0	0	0

### **3. SAMPLE PROGRAM CODE**

```

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%@page autoFlush="true" buffer="20kb"%>

<!DOCTYPE html>
<html>
<head>
<title>ExamHub.com | Login</title>
</head>
<body>
    <jsp:include page="menu1.jsp" />

    <section class="section" id="about">
        <div class="container">
            <div class="row">
                <div class="col-sm-6">
                    <div class="card">
                        <div class="card-body">
                            <h5 class="card-title">Student
Registration</h5>
                        <%
String studentRegisterSucessMessage = (String)
request.getAttribute("studentRegisterSucessMessage");
String studentRegisterFailedMessage = (String)
request.getAttribute("studentRegisterFailedMessage");
                        if (studentRegisterSucessMessage
!= null) {
                            %
                            <script type="text/javascript">
                                alert("Sucessfully
Registered.Continue to Login.");
                            </script>
                            %
                        }
                        if (studentRegisterFailedMessage
!= null) {
                            %
                            <script type="text/javascript">
                                alert("Failed Registered.Try
Again ");
                        }
                    </div>
                </div>
            </div>
        </div>
    </section>
</body>

```

```

        </script>

        <% } %>
        <form method="post"
action="studentServlet">
            <input type="hidden"
name="operation" value="add" />
            <div class="input-group mb-3">
                <input type="text"
name="username" class="form-control"
placeholder="Enter Username" pattern="^[A-Za-z]{5,20}$" title="Username length
must be atleast 5 max 10 & Only alphabets">
            </div>
            <div class="input-group mb-3">
                <input type="password"
name="password" class="form-control"
placeholder="Enter Password" pattern="[A-Za-z0-9]{5,15}$" title="Passwords must
contain atleast 5 max 15 characters, including Uppercase, Lowercase letters and Numbers
mandatory.">
            </div>
            <div class="input-group mb-3">
                <input type="text"
name="studentName" class="form-control"
placeholder="Enter name">
            </div>
            <div class="input-group mb-3">
                <input type="text"
name="address" class="form-control"
placeholder="Enter address">
            </div>
            <div class="input-group mb-3">
                <select name="gender"
class="form-control">
                    <option>Male</option>
                    <option>Female</option>
                </select>
            </div>

```

```

<div class="input-group mb-3">
    <input type="date"
name="dob" class="form-control"

placeholder="Enter date Of Birth">
</div>

<div class="input-group mb-3">
    <input type="email"
name="email" class="form-control"

placeholder="Enter email">
</div>
<div class="input-group mb-3">
    <input type="number"
name="contact" class="form-control"

placeholder="Enter contact">
</div>

<input
    class="btn btn-primary"
    value="Sign up"
type="submit">

</form>

</div>
</div>
</div>
<div class="col-sm-6">
    <div class="card">
        <div class="card-body">
            <h5 class="card-title">Student
Login</h5>
            <form method="post"
action="studentLogin?operation=login">
                <div class="input-group mb-3">
                    <input type="text"
name="username" class="form-control"

placeholder="Enter Username">
                </div>
                <div class="input-group mb-3">

```



```

<div class="text-content">
    <h3>Welcome To ExamHub.com</h3>
    <h5>Don't Stress. Do your Best. Forget the Rest.</h5>
    <a href="#" class="main-stroked-button">Don't miss the
chance</a>
    <a href="#" class="main-filled-button">Assess
Yourself</a>
</div>
</div>
<!-- // Item -->
<!-- Item -->
<div class="item">
    <div class="img-fill">
        
    <div class="text-content">
        <h3>ExamHub.com Best Online Examining
Website</h3>
        <h5>Be ready. Be smart. Be noticed...!</h5>
        <a href="#" class="main-stroked-button">Unlock Your
Knowledge</a>
        <a href="#" class="main-filled-button">Assess
Yourself</a>
    </div>
    </div>
    <!-- // Item -->
    <!-- Item -->
    <div class="item">
        <div class="img-fill">
            
        <div class="text-content">
            <h3>We came, We quizzed, We conquered.</h3>
            <h5>Robust and Speedy</h5>
            <a href="#" class="main-stroked-button">We quiz
therefore we are.</a> <a href="#" class="main-filled-button">Assess Yourself</a>
        </div>
    </div>
    <!-- // Item -->
</div>
</div>
<%
}
%>
<!-- ***** Main Banner Area End ***** -->

```

```

<section class="section" id="about">
    <div class="container">
        <%
            if (studentLoginSucessMessage != null) {
        %>
        <script type="text/javascript">
            alert("Sucessfully Logged In.");
        </script>
        <%
        }
        %>

        <div class="row">
            <div class="col-sm-6">
                <h2 style="text-align: center; color: red;">About
ExamHub.com</h2>

                <p style="text-align: justify;">ExamHub.com is first dedicated
                    Online examination platform which is conducting a test
online to
topic. In the
same time
do the exam
regardless
connection.
traditional
Candidates
mobile device
objective type of questions.
result generation activity.
                </p>
            </div>
        </div>
    </div>
</section>

```

```
<div class="embed-responsive embed-responsive-16by9">
    <iframe class="embed-responsive-item"
        src="https://www.youtube.com/embed/ht_4SEibYYQ"
        allowfullscreen></iframe>
</div><br><br>

</div>
</div>
</section>
<jsp:include page="footer1.jsp" />
</html>
```