Research on Result Through Email System

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Abstract – This research works on the advancement of web in the daily life .The whole education system comes on the internet .Now a days a large no of education related sites are running on the internet .Through which student can easily learn their subject through these sites. Result through email system is a system which helps the user in evaluation of their skill in the specified area .For developing the result through email system java web technologies is usually used .There are various software which are very popular for creating dynamic web application such as Netbeans IDE 8.0.2.

Key Words- NetBeans 8.0.2; JDBC API (for developing the connection between java application and database); Servlet (for generating the dynamic content of the page ;Oracle database(for storing the records and information; Main API(for sending the result on the student's mail address.

1. INTRODUCTION

In the recent year, a large area of education system comes on the internet which helps in reducing manual teaching because learning through education related sites become more easier and beneficial .So in the period of enhancement in the area of web result through email system plays a very important role by which student can evaluating their skills. In this web application user have to login to perform or for giving the test after creating their account user will be ready for giving the test for that he/she has to do signup in the application with the user I'd and password with which he/she registered in the application .After signup a page will be open on the front of user in which he/she have to choose which subject test he/she want to give then the questions of the specified subject will be display on the screen after attempting all the question user have to press submit button so that he/she get the result through the mail .The mechanism behind this is that user have to fill a form after submitting the form the request will be transferred to the servlet along with the entries that the user entered in the form .Servlet get the request and generate the response of that request.

1.1 Advantages:-

The following are the advantages of this module-
- It saves paper for examinations..
- It does not require manual testing..
- It saves time .
- It saves the money of student..
- More secure..

1.2 USE CASE DIAGRAM

FIG.1: BLOC

1.3 COMPONENTS DETAILS OF THE PROJECT

A. Java Development Kit:- In this Project, a java development kit is required to be installed on the system .Java is a high level secured and object oriented programming language which is used to create various different type of application such as standalone application ,web application ,enterprise application and android application .Java is object oriented programming language that provided many features such as inheritance ,abstraction and polymorphism . Java is platform independent because java code execute on virtual machine and it does not have explicitly defined pointer they are implicitly defined.

B.Oracle Database:- In this project database is require to store the record the information and accessing them during the validation of the user id and password.

Oracle database is more efficient to use because it provide various pre defined function that are not provided in MY SQL etc. To connect the our database with the application we use JDBC API which is provided by Sun microsystem.

This API use JDBC drivers to convert java application calls into database calls.

B. Servlet :-Servlet is a technology which is used to create dynamic websites. Servlet page runs on the server by the servlet container Servlet accept the request along with the data that is attached with the form and the generate the response for the request .For the multiple request web container create thread .Life cycle and working model of a servlet is shown in the figure.
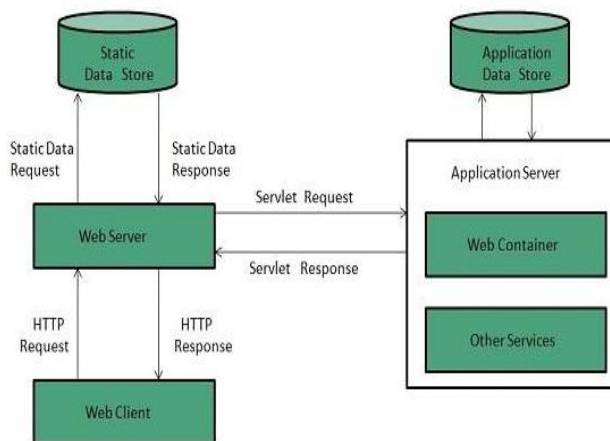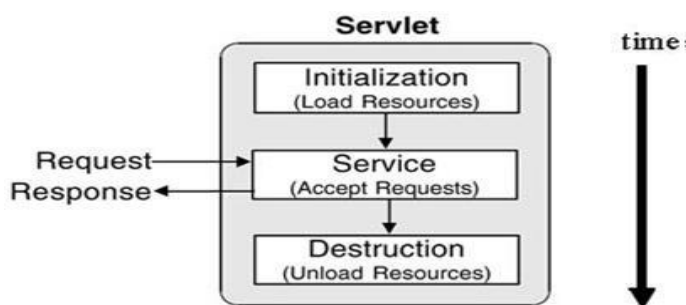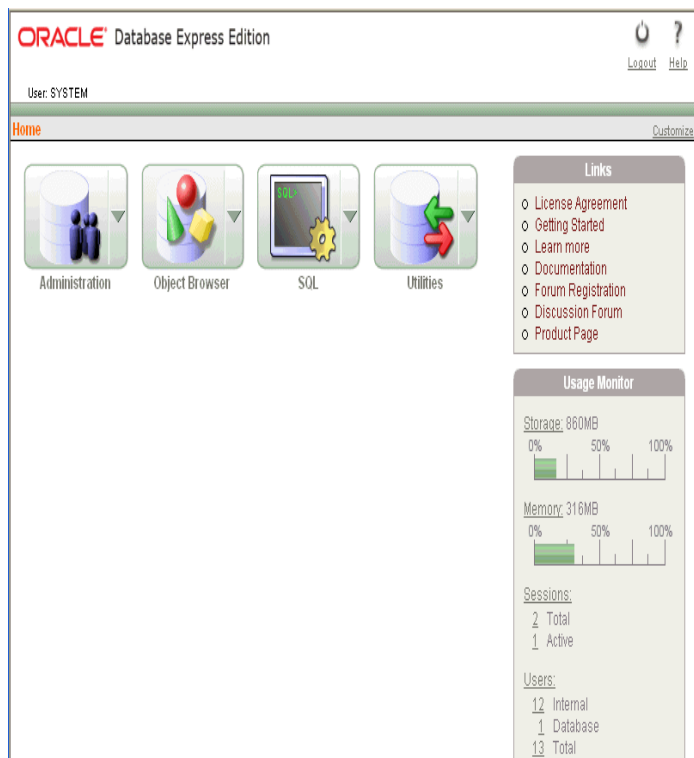

Fig 2:Working model of servlet

Fig 3: Life cycle of servlet

2. Function of Result Through Email System.

2.1 Registration:-The function of this module was registering a form by the student who are new for the application.

2.2 Test Online:-Student user could the test by choosing the subject whose test user want to give.

2.3 Result generation:-This module was generating the result of the exam that was given by the student.

2.4 Mailing:-This module was sending a mail along with the result to the specified student.

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3. ACKNOWLEDGEMENT

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