**Online exam work flow v1.0**

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| --- | --- | --- | --- |
| **Revision** | **Date** | **Author(s)** | **Comments** |
| 1 | 28-05-2015 | Vikram | Initial Draft |
|  |  |  |  |

**Registration**

A registration page should be there which should accept minimum number of fields for any registration. The fields can be

E\_mail,User\_name, password, cnf\_password, country, state, pin, contact\_no, captcha(can be added in later version), address (can have 2-3 text box below each).

**Login**

Once user enter email/user\_name and password, validation should be done and should be redirected to MainMenu.JSP

**[Struts2 can have login interceptor] should create a session for logged in user.**

**Group Management:**

**Add a Group**

Should have a form to create a new group which accepts grp\_name, grp\_desc, test to assign (a select box of test list) and a link which can redirect it to add the students/members. This link should come once the group is created, it can be a popup form having a table of editable fields which should accept name, email, DOB and where email is optional.

**Modify Group**

On click of this a list of groups in a tabular format should be displayed having a link as modify in last column ( will use a proper image for modify icon), it should redirect user to a page which should populate existing info where group name can’t be changed (Not sure may be allow to change but cumbersome process for first release)

**Delete group**

All listed group should have a checkbox in first column and after selecting all can be deleted.

The group table should have first column as checkbox, grp\_name, date\_created, and description .Description should open a popup box which should display description and a table which should have a list of tests, creation date of test, and a checkbox in first column to delete the tests from group.

**Test Management**

Add /delete/modify option should be there as in a group management which should list all the tests in a tabular form .First column should have checkbox to delete the test.

test\_name, description, creation date, a column should have ‘edit test’ option which should open the same window which is being used for creating the test, and a pre populated values should be shown and user can edit and save all.

And also a column to ‘edit configuration’ where user can change description and other fields of a created test along with option to assign the test to multiple groups also.

The test configuration is a page which will be used to configure the test and its parameters.

**Note: A test configuration page is ready which has to be improved and accordingly fields should be added and handled.**

**Create and generate test**

Generate Test and attend test are the two JSP which will be used to create test and give a test.

A mechanism should be there to create a dynamic URL for the students based on their information +test info+ date , a URL can be created and send to student or admin.

**Teachers/Admin section**

Should provide facility so a teacher can upload his/her tutorials either in video or text format. Uploaded video format and text should be displayed separately. They should have option to publish it on site and can even mail to some srudents which are associated to them. They should be able to set expiry then it should go to archieve and on demand it shuld be displayed to them.

**Live Questionera**

If possible later add live questionera where teacher can broadcast his time of availability and students can join him at same time. This wil be for resgstered students

**Students Questionera**

Students should be able to ask question to teachers directly. They can either send type mail and it il go to teachers. Or can create a discussion board on which can invite students for discussion and every discussion board should be attatced to a teacher. They wil be able to crete nly if hey give reference to teacher. So all discussion in control of teacher of tht subject. Many teachers can be there. Student can delete their discussion. Techer alsoc an do . This discussion can be initiated by teacher also.Whichevr good for business

**Work progress Report**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Module | Developer | Date Started | Date Completed | Tested | Reviewed by | Review Date |
| Login |  |  |  |  |  |  |
| Group Management |  |  |  |  |  |  |
| Test management |  |  |  |  |  |  |
| Create Test | Vikram |  |  |  |  |  |
| User test section | Vikram |  |  |  |  |  |
| Home Page |  |  |  |  |  |  |
| Configure Struts2 project |  |  |  |  |  |  |
| Database | Vikram |  |  |  |  |  |
| Util Classes |  |  |  |  |  |  |
| Main Page after login | Vikram |  |  |  |  |  |
| Language files(includes use in JSP) |  |  |  |  |  |  |
| Registration | Vikram |  |  |  |  |  |

Use of struts2 features like Interceptors, validators and etc. will be advisable which may help to improve performance.

**Tables:**

**DB name: test\_management**

**User\_info :**

(INSERT into user\_info(User\_Email, User\_Password, User\_AddressId, User\_PasswordHint, User\_PasswordHintAnswer, User\_DateCreated) VALUES (email\_id, SHA1(password), LAST\_INSERT\_ID(), password\_hint, password\_hint\_answer, CURRENT\_DATE)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field | Type | Null | Default | Comment |
| User\_UserId | int(11) | NO |  | Auto-generated unique ID of the user. |
| User\_Name | varchar(255) | NO |  | Name of the user. |
| User\_Password | varchar(45) | NO |  | Password hash . |
| User\_PasswordHint | varchar(80) | NO |  | Hint question to reset password. |
| User\_PasswordHint Answer | varchar(80) | NO |  | Hint answer to reset password. |
| User\_Email | varchar(255) | NO |  | Email ID of the user. This could be the primary key. |
| User\_AddressId | Int(11) | NO |  | Address of the user. Links to address\_info. |

**Address\_info**

A record will be added to **address\_info** noting the auto-incremented Addr\_AddressId field. (INSERT into address\_info( Addr\_Address1, Addr\_Address2, Addr\_Address3, Addr\_State, Addr\_PostCode, Addr\_Country ) VALUES (address1, address2, address3, state\_or\_county, post\_code, country)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field | Type | Null | Default | Comment |
| Addr\_AddressId | int(11) | NO | Auto-increment | Unique ID to an address. |
| Addr\_Address1 | varchar(80) | NO |  |  |
| Addr\_Address2 | varchar(40) | YES | NULL |  |
| Addr\_Address3 | varchar(40) | YES | NULL |  |
| Addr\_Address4 | varchar(40) | YES | NULL |  |
| Addr\_City | varchar(30) | YES | NULL |  |
| Addr\_State | varchar(30) | YES | NULL |  |
| Addr\_Country | varchar(30) | YES | NULL |  |
| Addr\_PostCode | varchar(10) | YES | NULL |  |

**Group\_info:**

(INSERT into group\_info(Group\_GroupId, Group\_name, Group\_Desc, Group\_UserId, Group\_DateCreated) VALUES (….))

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field | Type | Null | Default | Comment |
| Group\_GrpId | int(11) | NO | Auto-increment | Unique ID to a group. |
| Group\_GrpName | varchar(80) | NO |  |  |
| Group\_GrpDesc | varchar(40) | YES | NULL |  |
| Group\_UserId | int(11) | NO | NULL |  |
| Group\_DateCreated | varchar(40) | NO | NULL |  |

**Group\_test\_info:**

(INSERT into group\_test\_info(Group\_GroupId, Test\_testId, Date\_togive) VALUES (….))

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field | Type | Null | Default | Comment |
| Group\_GrpId | int(11) | NO |  |  |
| Group\_TestId | Int(11) | NO |  |  |
| Group\_GrpDesc | varchar(40) | YES | NULL |  |
| Group\_Test\_ToGive | varchar(40) | NO | NULL |  |

**Test\_Info**

(INSERT into test\_info(test\_testId, Test\_name, Test\_UserId, test\_ExpiryDate, test\_DateCreated) VALUES (….))

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field | Type | Null | Default | Comment |
| Test\_TestId | int(11) | NO | Auto-increment | Unique ID to a test. |
| Test\_TestName | varchar(80) | NO |  |  |
| Test\_TestExpiry | varchar(40) | YES | NULL |  |
| Test\_DateCreated | int(11) | NO | NULL |  |

**Members\_Info:**

(INSERT into Members\_info(members\_Mid,member\_mname,member\_mage,member\_memail,member\_mmo,member\_number,member\_datecreated) VALUES (….))

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field | Type | Null | Default | Comment |
| Member\_MemberId | int(11) | NO | Auto-increment | Unique ID to a member. |
| Member\_MemberName | varchar(80) | YES |  |  |
| Member\_MemberAdd | varchar(40) | YES | NULL |  |
| Member\_MemberEmail | varchar(40) | NO | NULL |  |
| Member\_Membernumner | varchar(40) | YES | NULL |  |
| Member\_DateCreated | varchar(40) | NO | NULL |  |
| Member\_DOB | varchar(40) | NO | NULL |  |

**Group\_Member\_Info:**

(INSERT into Group\_Member\_info(Group\_GroupId,Member\_member\_d,test\_url) VALUES (….))

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Null | Default |
| Group\_GroupId | int(11) | NO |  |
| Member\_MemberId | int(11) | NO |  |
| Meember\_Test\_url | varchar(200) | NO |  |
| Member\_DateCreated | varchar(40) | NO |  |

**Question\_Info:**

(INSERT into question\_info(Que\_qId,Que\_no,Que\_Question,Que\_TestId,Que\_ans,Que\_Type) VALUES (….))

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Null | Default |
| Member\_MemberId | int(11) | NO |  |
| Question\_QueId | int(11) | NO | Auto Increment |
| Question\_QueNo | varchar(40) | NO |  |
| Question\_Question | varchar(200) | NO |  |
| Question\_testId | int(11) | NO |  |
| Question\_Type | varchar(40) | NO |  |

**Question\_Option:**

(INSERT into question\_opt\_info(Que\_QId,Que\_Option,Que\_OptId) VALUES (….))

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Null | Default |
| Member\_MemberId | int(11) | NO | Unique ID to an address. |
| Question\_QueId | varchar(80) | NO |  |
| Question\_QueOption | varchar(40) | YES |  |
| Question\_OptId | varchar(200) | NO |  |

**Member\_test**

(INSERT into member\_test\_info(Member\_MID,Test\_TestId,Question\_Id,Opt\_id,Result\_YN,date\_given) VALUES (….))

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Null | Default |
| Member\_MemberId | int(11) | NO | Unique ID to an address. |
| Test\_TestId | varchar(80) | NO |  |
| Member\_MemberId | varchar(40) | YES |  |
| Question\_QueId | varchar(200) | NO |  |
| Que\_Opt\_SelId | varchar(40) | YES |  |
| Que\_Result\_YN | varchar(40) | NO |  |
| Test\_Dategiven | varchar(40) | NO |  |

URL created for members to give test:

[**http://testtool.com/test.jsp?(member\_mid+member\_grpId+test\_Id+member\_DOB**](http://testtool.com/test.jsp?(member_mid+member_grpId+test_Id+member_DOB)**)**