

**COMS 561 - PRINCIPLES OF DATABASE
SYSTEMS (FALL 2013)
PROJECT REPORT**

**GRADUATE ADMISSION EVALUATION
SYSTEM**

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ABSTRACT

This project is composed of two parts: student application part and committee members evaluation part. A new coming student can submit his/her application after filling out application form. The committee chair, department chair and staffs can upload students data from Excel file and assign two committee members for each graduate applicant. The committee chair and those committee members have their own assigned applicants to evaluate, and they can review the completed evaluations. The committee chair, department chair and staffs can keep track of admission progress and application round statistics, import and export applicant's data as well. Also the committee chair and department chair can make admit/deny decision for applications, then the staffs can send admission decision emails to each applicant.

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RESEARCH FOR THE PROJECT

In the graduate admission review system, the user interface for the committee member plays an important role.

A research was done to select the set of functionalities that needs to be included to the interface during the requirement gathering phases of the project. A part of the research included communicating with some of the previous committee members to get an idea about new functionalities needs to be included and the modifications needs to be done to the existing functionalities.

We also noticed the absence automated ways of assigning the applicants to committee members in a fair manner. We have designed several assigning algorithms to make sure that each committee member should receive approximately the same number of MS and PHD applications and each application must be reviewed by 2 committee members.

TARGET AUDIENCE OF THE PROJECT AND THEIR NEEDS

This project focuses on new coming students and four groups of faculties and staffs, including a committee chair, several committee members, a department chair and staffs.

New coming student:

Submitting an application form.

Committee member, committee chair:

Reviewing assigned MS/PHD applicants and give evaluation scores and comments.

Committee chair, department chair:

Reviewing assigned MS/PHD applicants and give evaluation scores and comments.

Keeping track of evaluation progress, which shows the scores committee member gave.

Making admission decision for each applicant.

Committee chair, department chair and staffs:

Reviewing the email list of all applicants.

Reviewing round statistics

Having the access to Import/Export students' data to/from the database.

SYSTEM IMPLEMENTATION

Use Case Diagram

Mainly there are five types of roles involves with this part of the system: students, committee members, committee chair, department chair and staffs. The following Use Case diagram shows the interactions between the role and the system.

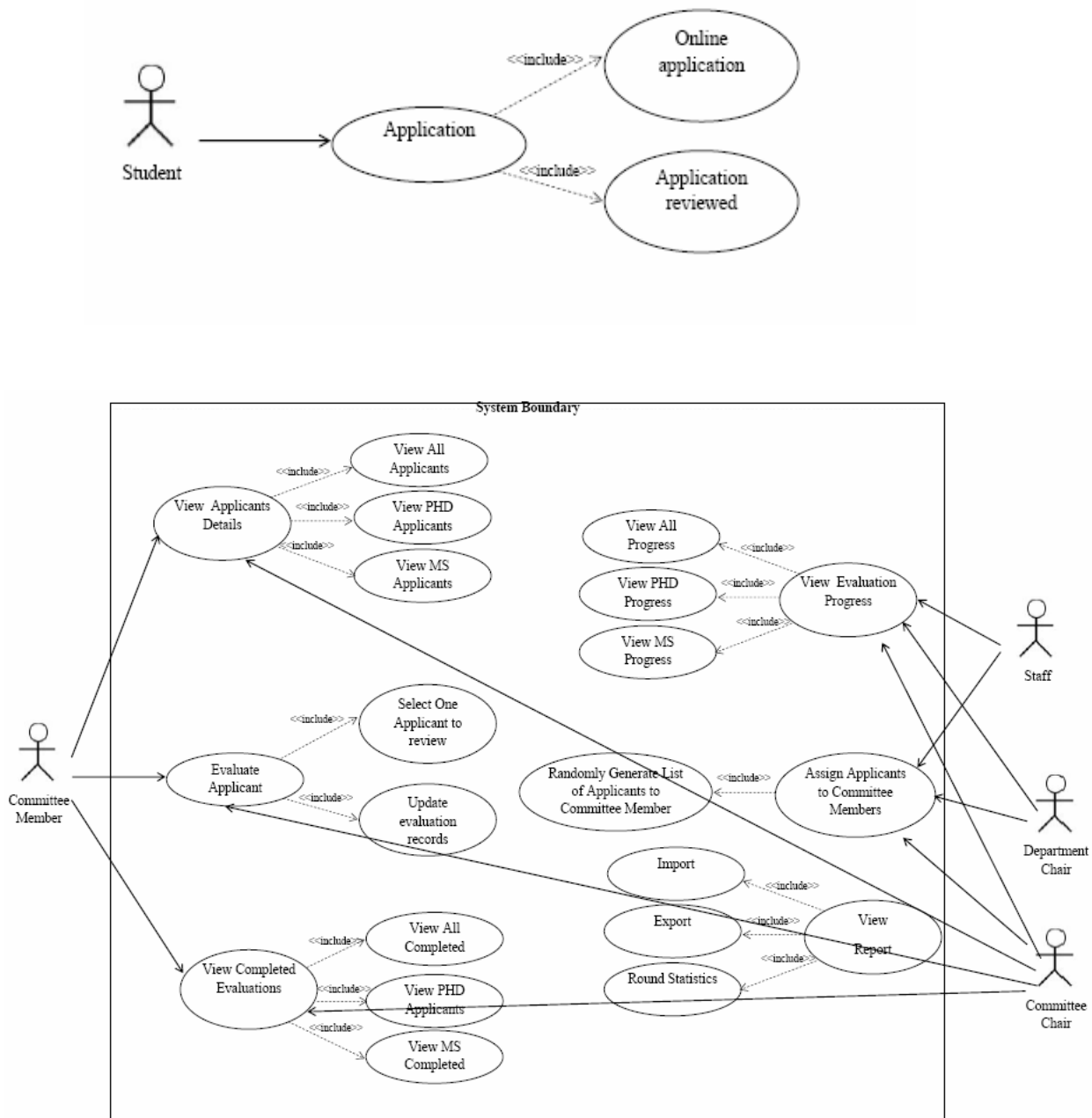


Figure 1: Use Case Diagram

CLASS DIAGRAM

The structure of this part with regarding classes, their attributes, methods, and the relationships among the classes are shown in the following Class diagram.

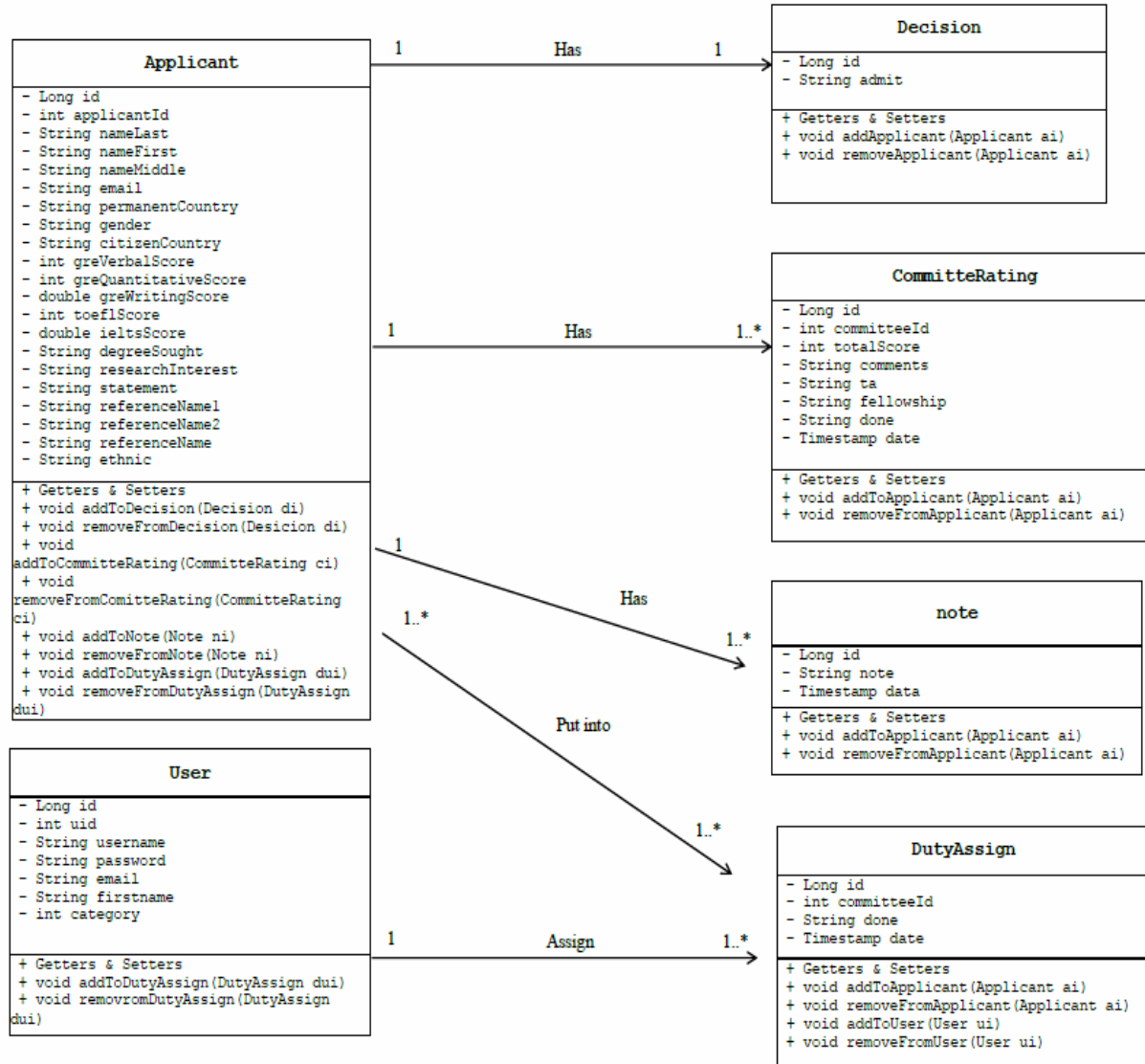


Figure 2: Class Diagram

DATA FLOW DIAGRAM

The following diagram shows who data flow through the system from front end to the backend.

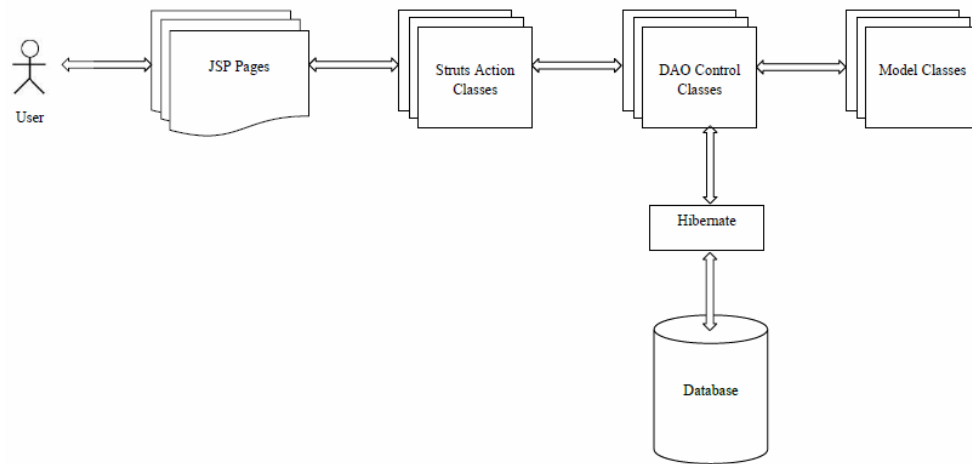


Figure 3: Data Flow Diagram

DATABASE LAYOUT

The next page shows the ER diagram used to design the database for the graduate admission review system.

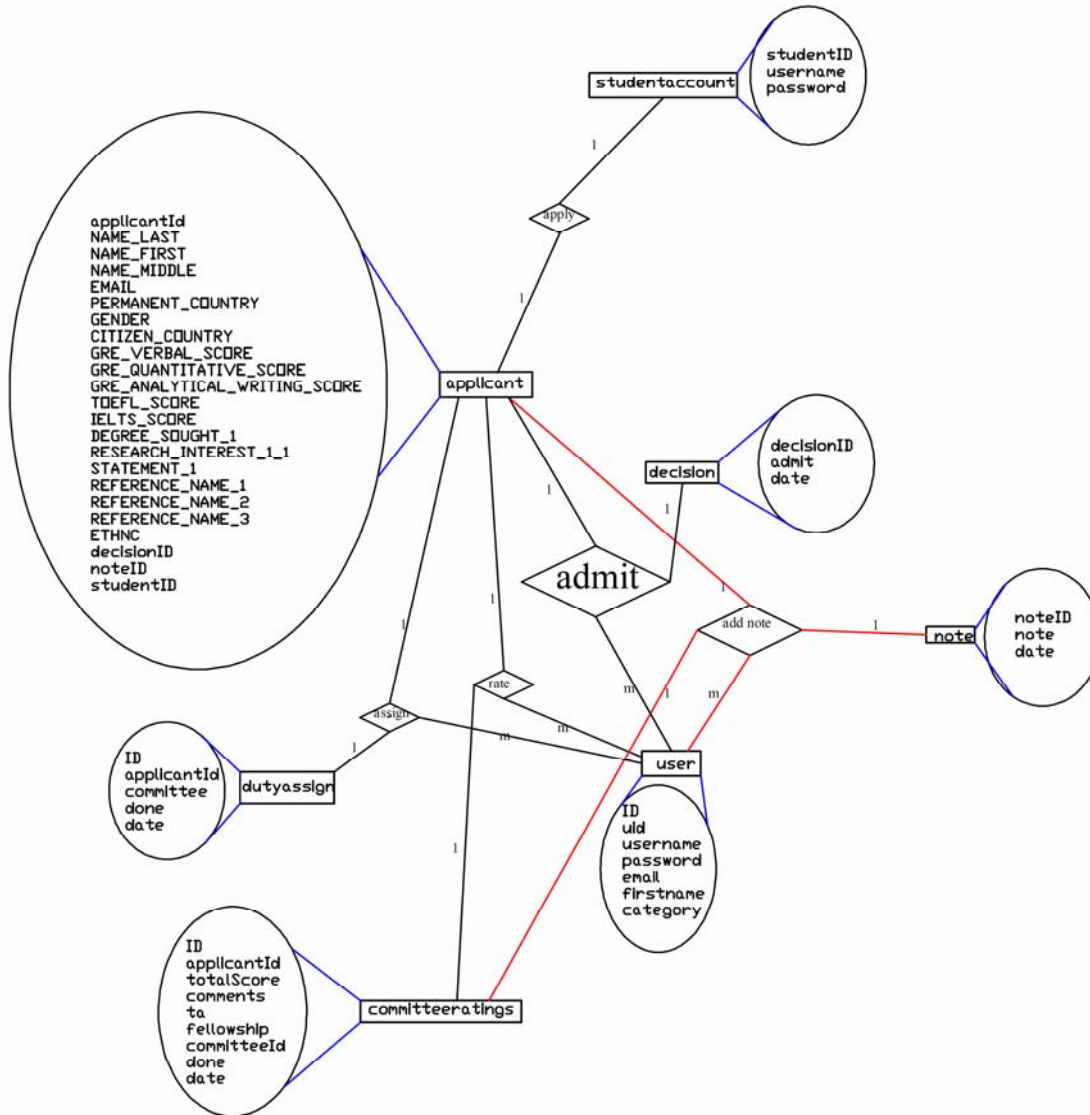


Figure 4: ER Diagram

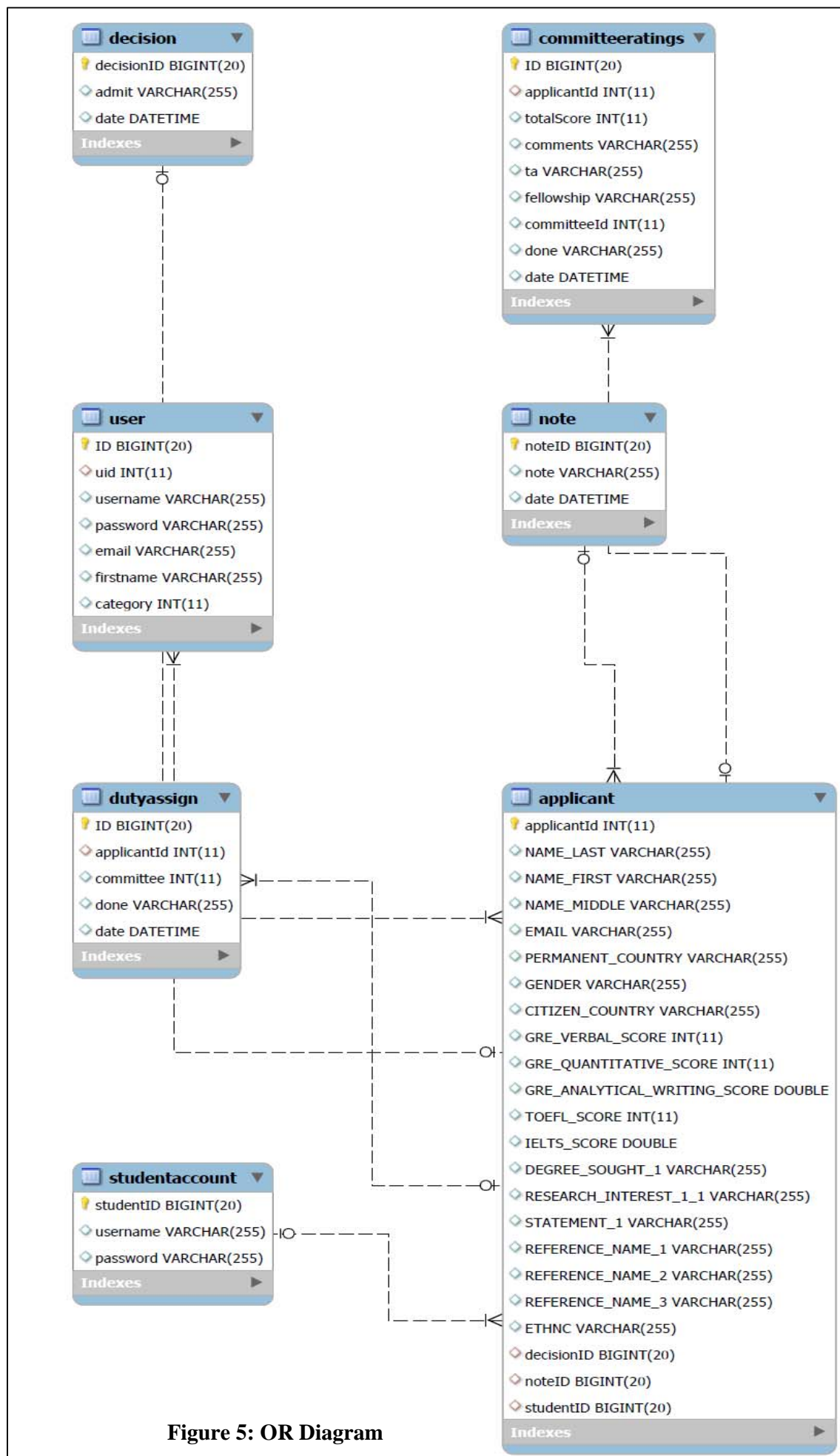


Figure 5: OR Diagram

Database Schema

Hibernate/MySQL was used was used to develop database schema.

The description of the tables in the system database “Admission” is as follows.

Table1: Applicant

Field	Type	Null	Key	Default	Extra
applicantId	int(11)	NO	PRI	NULL	auto_increment
NAME_LAST	varchar(255)	YES		NULL	
NAME_FIRST	varchar(255)	YES		NULL	
NAME_MIDDLE	varchar(255)	YES		NULL	
EMAIL	varchar(255)	YES		NULL	
PERMANENT_COUNTRY	varchar(255)	YES		NULL	
GENDER	varchar(255)	YES		NULL	
CITIZEN_COUNTRY	varchar(255)	YES		NULL	
GRE_VERBAL_SCORE	int(11)	YES		NULL	
GRE_QUANTITATIVE_SCORE	int(11)	YES		NULL	
GRE_ANALYTICAL_WRITING_SCORE	double	YES		NULL	
TOEFL_SCORE	int(11)	YES		NULL	
IELTS_SCORE	double	YES		NULL	
DEGREE_SOUGHT_1	varchar(255)	YES		NULL	
RESEARCH_INTEREST_1_1	varchar(255)	YES		NULL	
STATEMENT_1	varchar(255)	YES		NULL	
REFERENCE_NAME_1	varchar(255)	YES		NULL	
REFERENCE_NAME_2	varchar(255)	YES		NULL	
REFERENCE_NAME_3	varchar(255)	YES		NULL	
ETHNC	varchar(255)	YES		NULL	
decisionID	bigint(20)	YES	UNI	NULL	
noteID	bigint(20)	YES	UNI	NULL	
studentID	bigint(20)	YES	UNI	NULL	

Table2: CommitteeRatings

Field	Type	Null	Key	Default	Extra
ID	bigint(20)	NO	PRI	NULL	auto_increment
applicantId	int(11)	YES	MUL	NULL	
totalScore	int(11)	YES		NULL	
comments	varchar(255)	YES		NULL	
ta	varchar(255)	YES		NULL	
fellowship	varchar(255)	YES		NULL	
committeeId	int(11)	YES		NULL	
done	varchar(255)	YES		NULL	
date	datetime	YES		NULL	

Table3: Decision

Field	Type	Null	Key	Default	Extra
decisionID	bigint(20)	NO	PRI	NULL	auto_increment
admit	varchar(255)	YES		NULL	
date	datetime	YES		NULL	

Table4: DutyAssign

Field	Type	Null	Key	Default	Extra
ID	bigint(20)	NO	PRI	NULL	auto_increment
applicantId	int(11)	YES	MUL	NULL	
committee	int(11)	YES		NULL	
done	varchar(255)	YES		NULL	
date	datetime	YES		NULL	

Table5: Note

Field	Type	Null	Key	Default	Extra
noteID	bigint(20)	NO	PRI	NULL	auto_increment
note	varchar(255)	YES		NULL	
date	datetime	YES		NULL	

Table6: User

Field	Type	Null	Key	Default	Extra
ID	bigint(20)	NO	PRI	NULL	auto_increment
uid	int(11)	YES	MUL	NULL	
username	varchar(255)	YES		NULL	
password	varchar(255)	YES		NULL	
email	varchar(255)	YES		NULL	
firstname	varchar(255)	YES		NULL	
category	int(11)	YES		NULL	

Table7: StudentAccount

Field	Type	Null	Key	Default	Extra
studentID	bigint(20)	NO	PRI	NULL	auto_increment
username	varchar(255)	YES		NULL	
password	varchar(255)	YES		NULL	

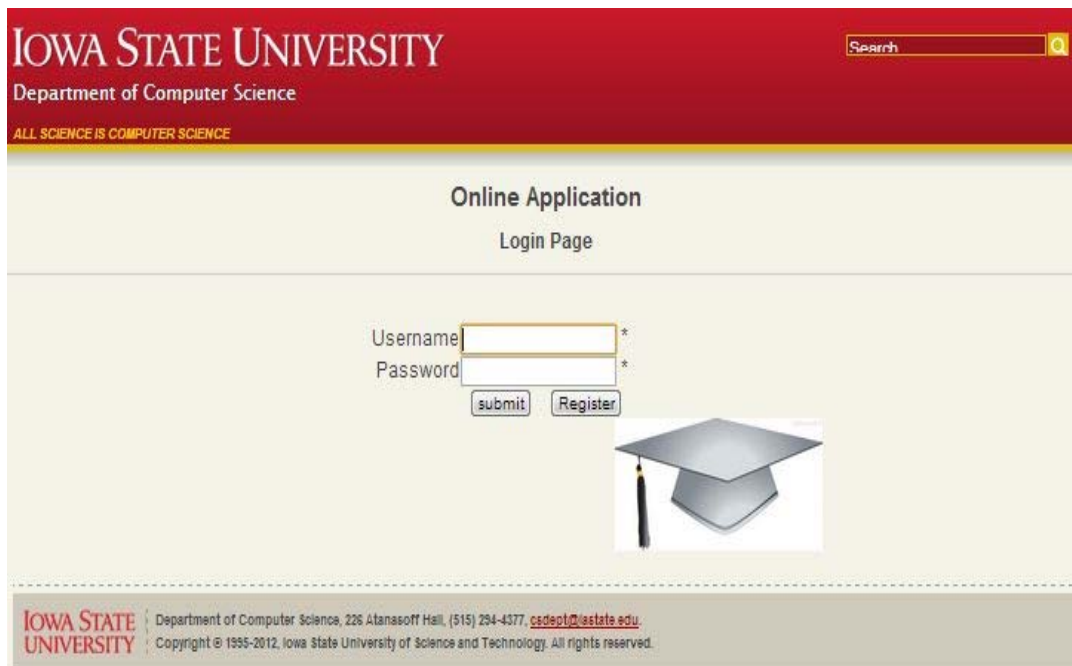
REFERENCES

1. Hibernate ORM documentation <http://hibernate.org/orm/documentation/>
2. Hibernate: A J2EE Developer's Guide, Will Iverson
3. Java persistence with Hibernate, Christian Bauer and Gavin King.
4. Beginning Hibernate: From Novice to Professional, Dave Minter Jeff Linwood
5. Agile Java Development with Spring, Hibernate and Eclipse, Anil Hemrajani
6. Struts Design and Programming: A Tutorial, Budi Kurniawan, Brainy Software Corp. 2005
7. Tutorial: Create Struts 2 Application in Eclipse By Viral Patel
(<http://viralpatel.net/blogs/tutorial-create-struts-2-application-eclipse-example/>)

APPENDIX: USER'S GUIDE

I. Student Application Module

- 1) Every applicant should log in using his/her username and password.
- 2) New applicant should register before applying for admission.




The screenshot shows the 'Online Application Login Page' for the Department of Computer Science at Iowa State University. The page has a red header with the university's name and a search bar. Below the header, the text 'Online Application Login Page' is centered. The login form includes fields for 'Username' and 'Password', each with an asterisk indicating a required field. There are 'submit' and 'Register' buttons. To the right of the form is an image of a graduation cap. The footer contains the Iowa State University logo, contact information for the Department of Computer Science, and a copyright notice.

IOWA STATE UNIVERSITY
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Online Application
Login Page

Username *
Password *



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Online Application Form

- 1) Applicants need to fill up all the mandatory fields.
- 2) Should give a valid email id.
- 3) Should give a valid scores for GRE and TOEFL/IELTS.

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Search

Online Application

Fields marked * are mandatory

Last Name *

First Name *

Middle Name

Email *

Country

Gender

Citizen Country

Ethnic

Degree

Research Interest

Gre Verbal

Gre Quantitative

Gre Analytical

TOEFL (ibt)

IELTS

Reference1

Reference2

Reference3

☐ Male
☐ Female

Statement of Purpose

less than 255 chars

Submit

Cancel

Application Submitted

Display the information of the submitted application to the applicant.

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Search

Logout

Change password

Application Submitted Successfully!

Last Name :

First Name :

Middle Name :

Email id :

Country :

Gender :

Ethnic :

Citizen Country :

Degree :

Research Interest :

Gre Verbal Score :

Gre Quant Score :

Gre AWA Score :

TOEFL :

IELTS :

Reference 1 :

Reference 2 :

Reference 3 :

Statement Of Purpose :

Price

April

ap@yahoo.com

US

F

Native

US

PHD

AI

158

137

4.0

119

0.0

Hannah

John

Sally

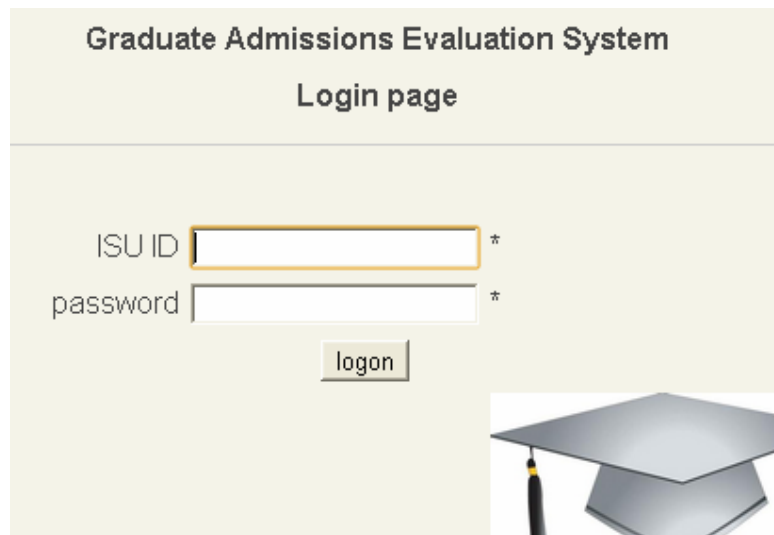
This is a test!

IOWA STATE UNIVERSITY

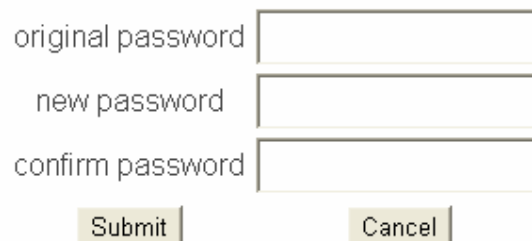
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II. Evaluation system Component

1. Every user should log in this system using ISU ID and assigned password.



2. New users could register. However, this job done by an administrator is recommended.
3. Users could change password.



Committee Member

Committee member's menubar:

Applicants	Completed evaluations
<ul style="list-style-type: none">• PHD applicants• MS applicants	<ul style="list-style-type: none">• PHD applicants• MS applicants

Committee member can get their own assigned applications list. They can select either All applicants, only PHD Applicants or MS Applicants. Once evaluating is done, the “Done” cell will change to “Y”.

CyMail Outlook WebCT Blackboard AccessPlus 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 Directory Maps Contact Us

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Department of Computer Science

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Search

Applicants Completed evaluations

Graduate Admissions Evaluation System

[Logout](#)

ID	Last Name	First Name	Toefl	Gre Verbal	Gre Quanti	Gre Writing	IELTS	PHD/MS	Research Interest	Country	# of Recomm Letter	Done
20	Garett	Tim	90	120	150	3.5	0.0	PHD	HCI	US	3	N
21	Lakhota	Anand	60	150	150	3.0	4.0	PHD	Computational geometry	Sri lankan	3	N
22	Smith	John	120	140	155	4.5	8.0	MS	HCI	France	3	N
23	Banik	Divya	80	157	157	4.0	6.0	PHD	None	Indian	3	N
24	Luthra	Varun	90	150	148	3.5	7.0	MS	None	Chinese	3	N
25	Smith	Timmy	90	150	140	3.5	0.0	PHD	AI	US	3	N

By clicking the LastName and go to evaluating page.

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IOWA STATE UNIVERSITY

Department of Computer Science

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Search

Applicants Completed evaluations

Graduate Admissions Evaluation System

ID	Last Name	First Name	Toefl	Gre Verbal	Gre Quanti	Gre Writing	IELTS	PHD/MS
22	Smith	John	120	140	155	4.5	8.0	MS
Country			Email			Notes		
France			js@gmail.com			Transcript Not Received		

ID	Items	Score(Integer 0~50)
1	Score	<input type="text"/>
2	Comments	<input type="text"/>
3	Recommended for TA support <input type="checkbox"/>	<input type="button" value="Submit"/>
	Recommended for Fellowship <input type="checkbox"/>	

Type the score into Score textbox.

- Leave comment in Comments textbox.
- Click recommendation for TA / fellowship in checkboxes.
- Then submit.

If the applicant is not evaluated yet, then this will display the success page as follow:

The screenshot shows the 'Graduate Admissions Evaluation System' interface. At the top, there is a navigation bar with links like 'CyMail', 'Outlook', 'WebCT', 'Blackboard', and 'AccessPlus'. Below this is the Iowa State University logo and the Department of Computer Science name. A search bar is visible on the right. The main content area has two tabs: 'Applicants' and 'Completed evaluations'. The 'Applicants' tab is selected, and the page displays 'Successfully Updated!' in red text. A 'Logout' link is on the right. The footer contains the Iowa State University logo, contact information, and a copyright notice.

If the applicant is already evaluated, this will display already exist page.

This screenshot is similar to the previous one, showing the 'Graduate Admissions Evaluation System' interface. However, the main content area displays 'Record Already Exists!' in red text, indicating that the applicant has already been evaluated. The layout, including the navigation bar, university header, and footer, remains the same.

Committee member can check the evaluation for applicants in Completed evaluations.

This screenshot shows the 'Completed evaluations' tab selected in the 'Graduate Admissions Evaluation System'. It displays a table with the following data:

ID	Last Name	First Name	Toefl	Gre Verbal	Gre Quanti	Gre Writing	IELTS	PHD/MS	Country	# of Recomm Letter
20	Garett	Tim	90	120	150	3.5	0.0	PHD	US	3
21	Lakhotia	Anand	60	150	150	3.0	4.0	PHD	Srilanka	3
22	Smith	John	120	140	155	4.5	8.0	MS	France	3

Committee chair

Committee chair's menubar:

Applicants	Completed evaluations	All applicants	Evaluation progress	Report	Committee progress
<ul style="list-style-type: none">PHD applicantsMS applicants	<ul style="list-style-type: none">PHD applicantsMS applicants	<ul style="list-style-type: none">PHD applicantsMS applicants	<ul style="list-style-type: none">PHD applicantsMS applicants	Admission decision <ul style="list-style-type: none">PHD applicantsMS applicants	Mail list <ul style="list-style-type: none">Notes

1. Committee chair has all the same evaluating work as that of committee member.
2. Committee chair is able to retrieve the list of all applicants.
3. Only Committee chair, Department chair and Staffs have the access to Import/Export data to/from the database in Excel format.

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Search

Applicants Completed evaluations All applicants Evaluation progress Committee progress Report

Admission decision Mail list

Logout

Location of the Applicants' EXCEL file to upload

Choose File No file chosen Upload XLS

To Export The Rates Table as XLS
Click [here](#)

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4. In report, it shows round statistics.

Application Round Statistics

- 1) Number of applicants
- 2) Number of US Citizen applicants
- 3) Number of Minority applicants
- 4) Number of women applicants
- 5) Average GRE QUANT score
- 6) Average GRE VERBAL score

- 7) Distribution of average evaluation scores (0-10, 10-20, 20-30, 30-40, 40-50)

Applicant Round Statistics

Item	Report	
Number Of Applicants	25	view
Number of US citizens Applicants	0	view
Number of Minority Applicants	25	view
Number of Women Applicants	14	view
Average GRE QUANT SCORE	119.36	
Average GRE VERBAL SCORE	123.4	

Distribution of Average Evaluation Score									
0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99
0	0	2	0	0	0	0	0	0	0

5. Committee chair is able to keep track of committee progress, which shows the progress of all committee members.

No Of reviews required to complete admission review process :	1
No Of reviews completed by Committee :	0

	MS	PHD
chaudhur	0/0	0/0
gsong	0/0	0/0
jil	0/1	0/0
jtian	0/0	0/0
pavan	0/0	0/0
tavanapo	0/0	0/0
wzhang	0/0	0/0
yingcai	0/0	0/0

6. In evaluation progress, it shows the evaluation progress for each applicant.

CyMail | Outlook | WebCT | Blackboard | AccessPlus
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 | Directory | Maps | Contact Us

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Search

All applicants | Evaluation progress | Committee progress | Report | Admission decision | Mail list

Graduate Admissions Evaluation System
Logout

ID	Last Name	First Name	Total_Score1	Total_Score2	Total_Score	PHD/MS	Email	Done1	Done2
20	Garett	Tim	45	0	45	PHD	gt@gmail.com	Y	N
21	Lakhotia	Anand	46	43	89	PHD	ana_nd@gmail.com	Y	Y
23	Banik	Divya	45	0	45	PHD	div_ya@gmail.com	Y	N

7. In admission decision, it lists all the evaluation results including comments ordering by total scores by clicking on "Score" in the table header. Committee chair could give admit/deny decision here.

Decision

[Logout](#)

Show 10 entries

Search:

ID	Last Name	First Name	MS/PHD	Score	Offer	Decision
2	uc82jo	lkv67r	MS	54	ADMIT	Admit Submit
4	lcurtv	etbawl	MS	23	DENY	Admit Submit
1	uc8a7o	9a85xx	MS	0	ADMIT	Admit Submit
3	3vorpq	hpngmv	MS	0	ADMIT	Admit Submit
5	3mtqyb	oeodbs	MS	0	ADMIT	Admit Submit
6	fwnlo	wwbodi	MS	0	ADMIT	Admit Submit

8. Evaluation Mail list shows the final decisions of applicants and make easy for staff to sending email by clicking email address.

Mail List

[Logout](#)
[MS](#)
[PHD](#)
[Full List](#)

Show 10 entries

Search:

ID	Last Name	First Name	MS/PHD	Email	Decision
1	uc8a7o	9a85xx	MS	01u7dd@gcnq.xdd	ADMIT
2	uc82jo	lkv67r	MS	19jefg@hhlx.d78	ADMIT
3	3vorpq	hpngmv	MS	i4r3aj@c6xh.v9f	ADMIT
4	lcurtv	etbawl	MS	3rbh84@3kwo.fdn	DENY
5	3mtqyb	oeodbs	MS	ml2gv@7wb1.d5w	ADMIT
6	fwnlo	wwbodi	MS	w86d85@q41s.psh	ADMIT
7	111f3p	clfbll	PHD	g8n74e@sjqc.0mo	DENY
8	y9619k	yl4k28	MS	o8ur97@u0d3.ctg	ADMIT

9. You can add notes for some application, for example, "Somebody updated his ibt score to 115." and submit. Then this applicant should be evaluated again.

Notes

[Logout](#)
[MS](#)
[PHD](#)
[Full List](#)

Show entries

Search:

ID	Last Name	First Name	MS/PHD	Email	Note
1	uc8a7o	9a85xx	MS	01u7dd@gcnq.xdd	sadf <input type="text"/> <input type="button" value="Submit"/>
2	uc82jo	lkv67r	MS	19jefg@hhlx.d78	sad <input type="text"/> <input type="button" value="Submit"/>
3	3vorpq	hpngmv	MS	i4r3aj@c6xh.v9f	adsf <input type="text"/> <input type="button" value="Submit"/>

Department chair

Department chair's menubar:

All applicants	Evaluation progress	Report	Committee progress	Admission decision	Mail list
• PHD applicants • MS applicants	• PHD applicants • MS applicants			• PHD applicants • MS applicants	• Notes

Staffs

Staff's menubar:

All applicants	Evaluation progress	Report	Committee progress	Admission decision	Mail list
• PHD applicants • MS applicants	• PHD applicants • MS applicants			• PHD applicants • MS applicants	• Notes

1. Department chair and staffs are able to retrieve the list of all applicants.
2. Department chair and staffs are able to keep track of evaluation progress, which shows the scores committee member gave.
3. In report, it shows round statistics.
4. In admission decision, it lists all the evaluation results including comments ordering by total scores. Committee chair could give admit/deny decision here.
5. Mail list gives the final decisions of applicants and make easy for staff to sending email by clicking an applicant's email address.
6. Users can add notes for some application, for example, "Somebody updated his ibt score to 115." and submit. Then this applicant should be evaluated again.

Members' tasks:

FENG YUNFEI 's part:

1. Contacting users, including Laurel, Dr. Yingcai, and some other committee members. Making clear of requirement, business logic and user interfaces.

2. Integrating the Struts 1.3 and Hibernate 4.2.6.

3. Starting this project and developing the underlying structure of this project.

3.1 Design the Object/Relational Mapping in Hibernate (POJO files and xml config files.)

3.2 Develop DAO layer, including:

ApplicantDAO.java

ApplicantCommitteeRatingDAO.java

DecisionDAO.java

DutyAssignDAO.java

HibernateDAO.java

HibernateUtil.java

HibernateFilter.java

NoteDAO.java

ReportDAO.java

UserDAO.java

3.3 Develop utils files, including:

RandomString.java

Randomx.java

FinalConstant.java

GreScoreConvert.java

RanAver.java

Utils.java

3.4 Develop codes for automatical importing testing data into database, including:

DaoTest.java

GenerateDataInApplicantTable.java

GenerateDataInDecisionTable.java

GenerateDataInNoteTable.java

GenerateDataInUserTable.java

StringUtils.java

3.5 Define Exception code:

AuthorityException.java

DAOException.java

Exception.java

PasswordErrorException.java

3.6 Develop the servletsession part

AuthorityUtil.java

UserInfo.java

3.7 Develop the strutsaction part

AddDecisionAction.java

AddNoteAction.java

BaseAction.java

DispBaseAction.java

LikeStringSearchAction.java

ListAllApplicantsAction.java

ListAllApplicantsDispAction.java

ListAllApplicantsMapAction.java

LogonAction.java	regist.jsp
LogoutAction.java	resetPassword.jsp
MappBaseAction.java	
RegistAction.java	3.10 Define the validator-rules.xml
ResetPasswordAction.java	3.11 Importing and adjusting to computer science department CSS layout including footer.jsp, header.jsp, designing menubar.jsp according to different category of users.
3.8 Develop the actionform part	
AddDecisionForm.java	
AddNoteForm.java	3.12 Paging format, sorting and searching in pagination functionality.
IdForm.java	
LikeStringSearchForm.java	3.13. Configuration settings
LogonForm.java	hibernate.cfg.xml
RegistForm.java	struts-config.xml
ResetPasswordForm.java	web.xml
	4.1 Integrating and testing the final version of project.
3.9 Develop page files (Modules)	4.2 Composing this final project report.
● List Module	
listAllApplicants.jsp	
● Decision Module	
listDecisions.jsp	
● Mail Module	
listMails.jsp	
● Note Module	
listNotes.jsp	
● Log in and Change password Module	
login_failure.jsp	
login_success.jsp	
logout.jsp	

KIM NI WANG's part

1. Develop the servletsession part

StudentInfo.java

ApplicantInfo.java

2. Develop the strutsaction part

ApplicationFormAction.java

CommitteeProgressAction.java

ImportApplicantXLSAction.java

ImportExportAction.java

LogonStudentAction.java

ReportAction.java

StudentLogoutAction.java

StudentRegisterAction.java

StudentResetPasswordAction.java

3. Develop the dao part

ApplicantDAO.java

CommitteeProgressDAO.java

DutyAssignDAO.java

HibernatDAO.java

StudentAccountDAO.java

ReportDAO.java

4. Develop the actionform part

ApplicationForm.java

ImportApplicantXLSForm.java

LogonStudentForm.java

StudentRegisterForm.java

StudentResetPasswordForm.java

4. Develop jsp page

● Student application Module

OnlineApplicationLogin.jsp

applicationForm.jsp

applicationSubmitted.jsp

studentLogout.jsp

studentResetPassword.jsp

studentRegister.jsp

● Committee Progress Module

committeeProgress.jsp

● Report Module

importExport.jsp

6. Develop codes for importing testing data into database, including:

ReportTest.java

ExportXLS.java

7. Configuration settings

hibernate.cfg.xml

struts-config.xml

web.xml

PRIYANGIKA PIYASINGHE's part:

1. Develop the servletsession part

Adding modification needed for
CommiteeMember to existing servlets

2. Develop the strutsaction part

CMApplicantEvaluationAction.java

CMApplicantEvaluationActionSubmit.java

CMApplicantListAction.java

CMApplicantListDispAction.java

CMAppRandomAssignAction.java

CMCompletedListAction.java

CMCompletedListDispAction.java

EvaluationProgressAction.java

3. Develop the dao part

CMApplicantListDAO.java

ApplicantCommitteeRatingDAO.java

CommitteeRatingDAO.java

4. Develop the actionform part

CMEvalApplicantForm.java

5. Develop page files (Modules)

● Evaluation Module

cm_appEvalSuccess.jsp

cm_applicantEvaluation.jsp

evaluationProgress.jsp

● Evaluation Progress Module

list_applicantsForCommitteeMember.jsp

list_completedApplicants.jsp

6. Develop codes for assigning algorithm:

DutyAssignDAO.java

GenerateDataInDutyAssignTabla.java

7. Configuration settings

hibernate.cfg.xml

struts-config.xml

web.xml

8.1 Integrating and testing the final version
of project.

8.2 Composing this final project report.