Online Test Taking System

Programmer's Guide

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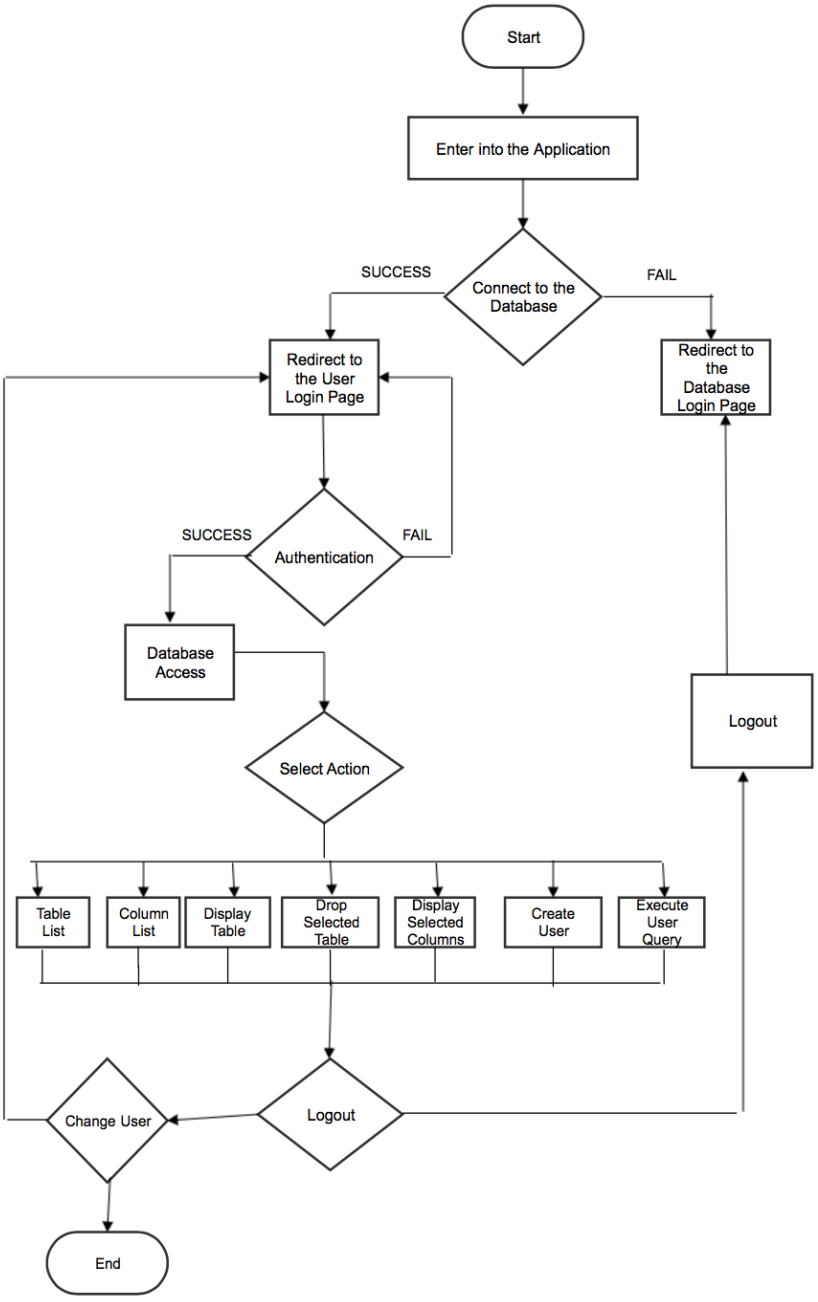
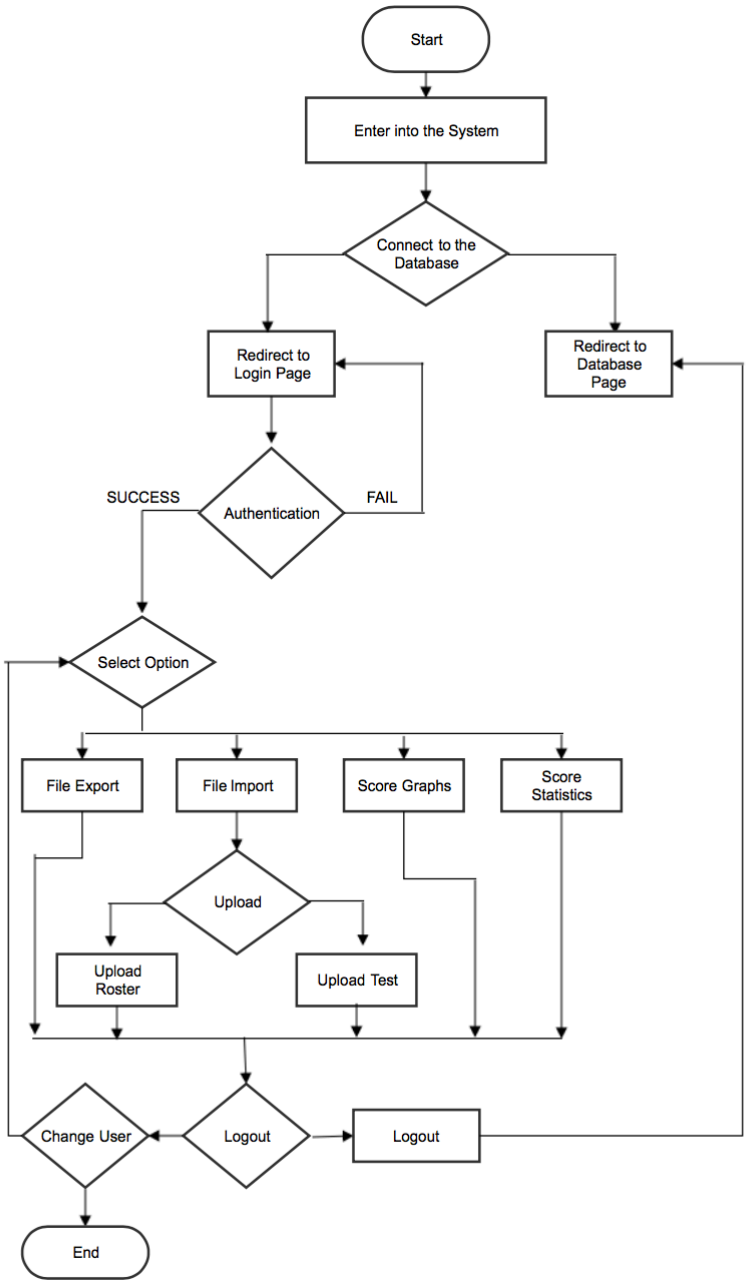
Flow Diagrams:

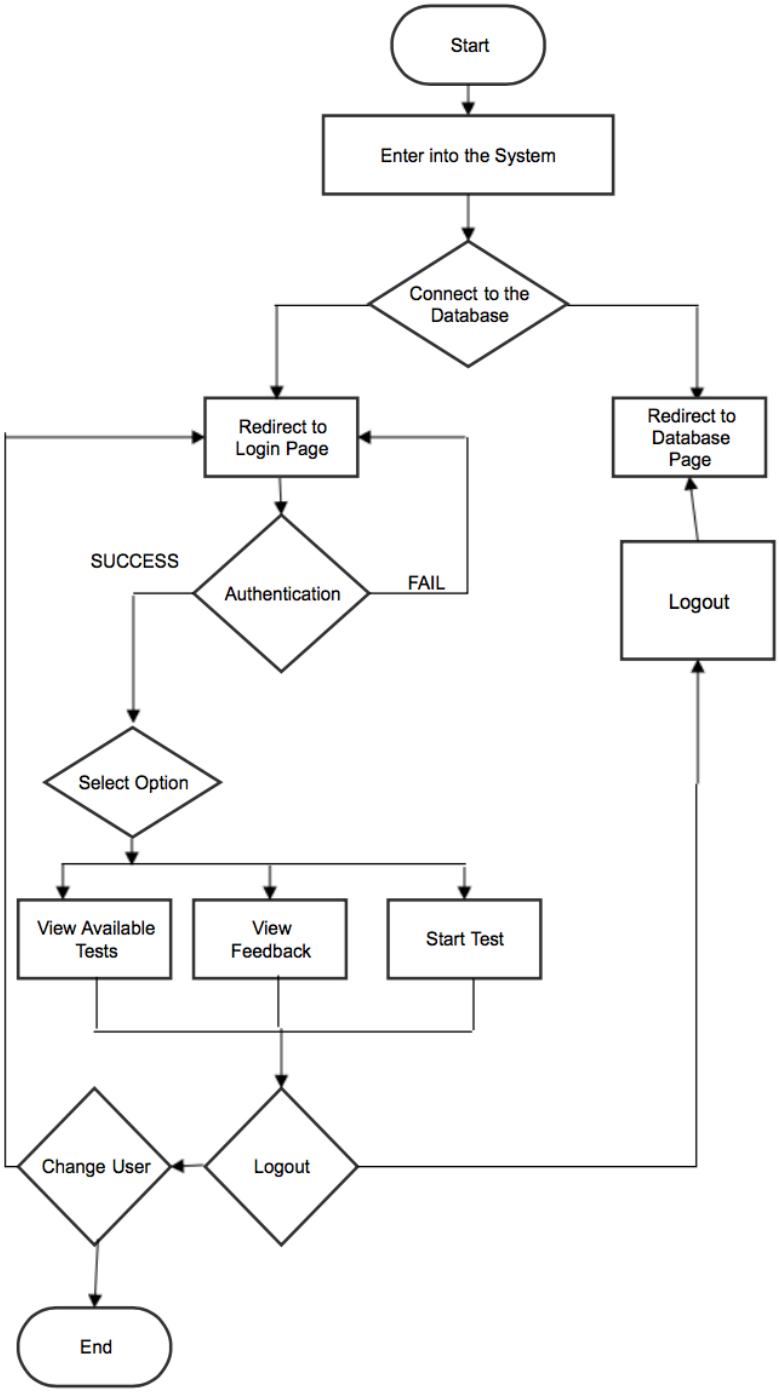
Admin:



Instructor:

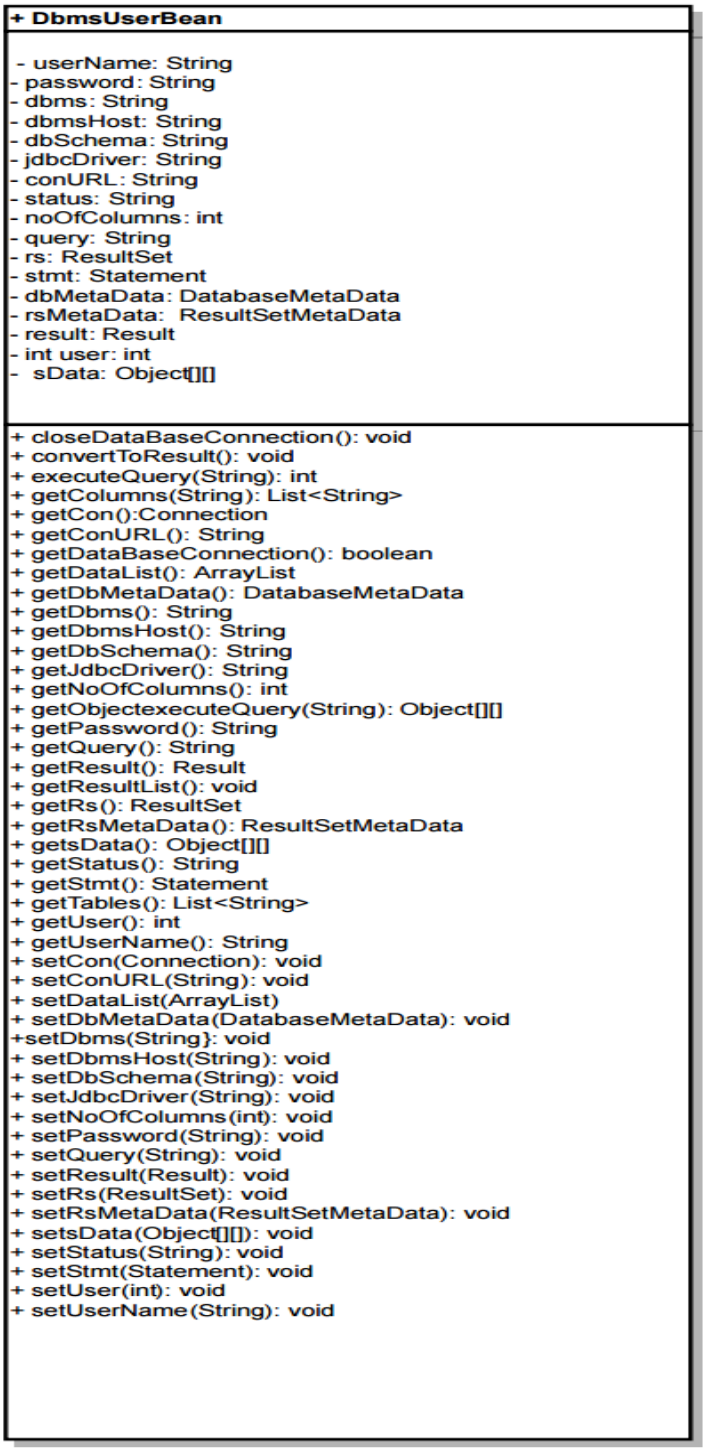

Start
Enter into the System
Connect to the Database
Redirect to Login Page
Redirect to Database Page
SUCCESS
Authentication
FAIL
Select Option
File Export
File Import
Score Graphs
Score Statistics
Upload
Upload Roster
Upload Test
Change User
Logout
Logout
End

Student:

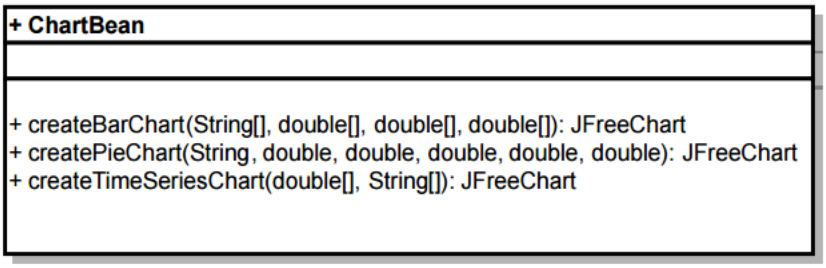

Start
Enter into the System
Connect to the Database
Redirect to Login Page
Redirect to Database Page
SUCCESS
Authentication
FAIL
Logout
Select Option
View Available Tests
View Feedback
Start Test
Change User
Logout
End

Class Diagrams:

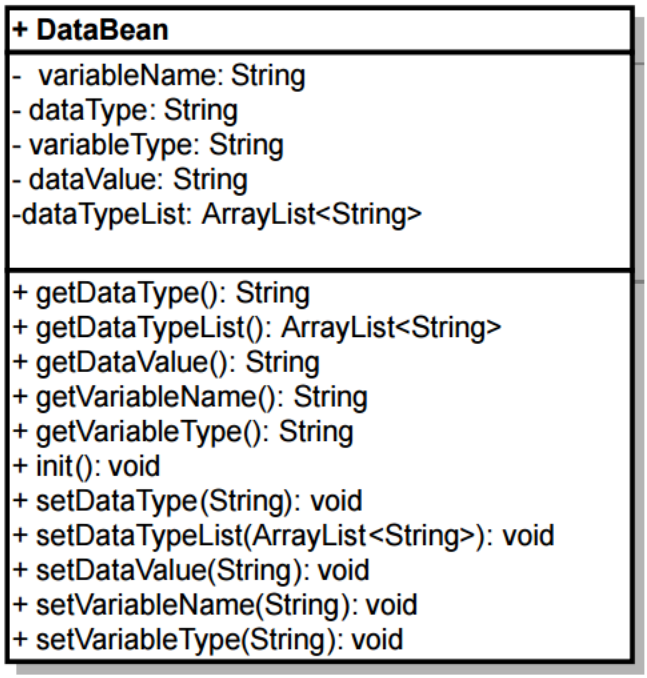
DbmsUserBean:



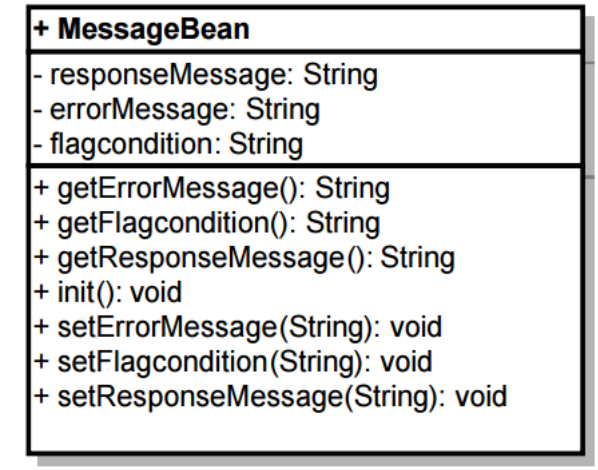
ChartBean:



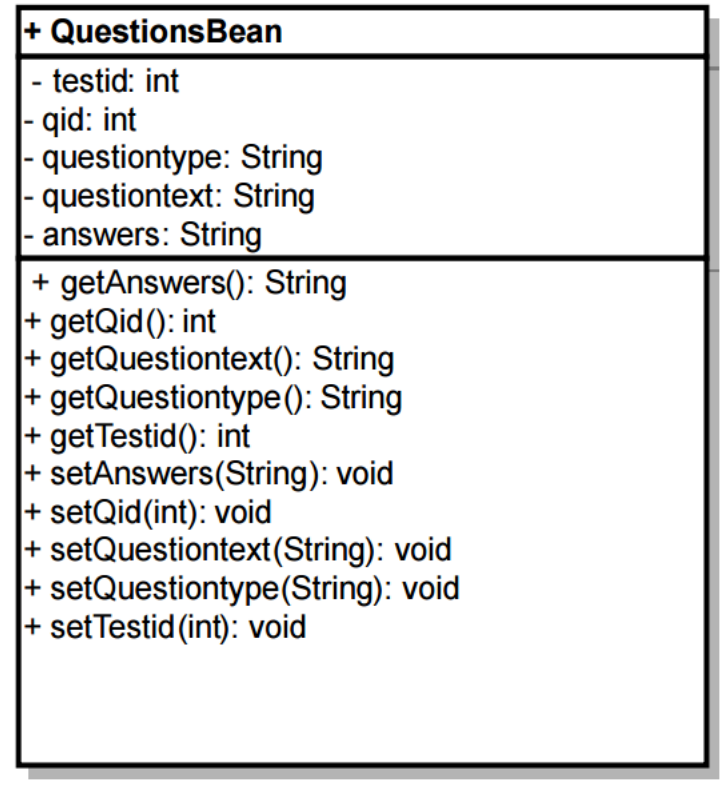
DataBean:



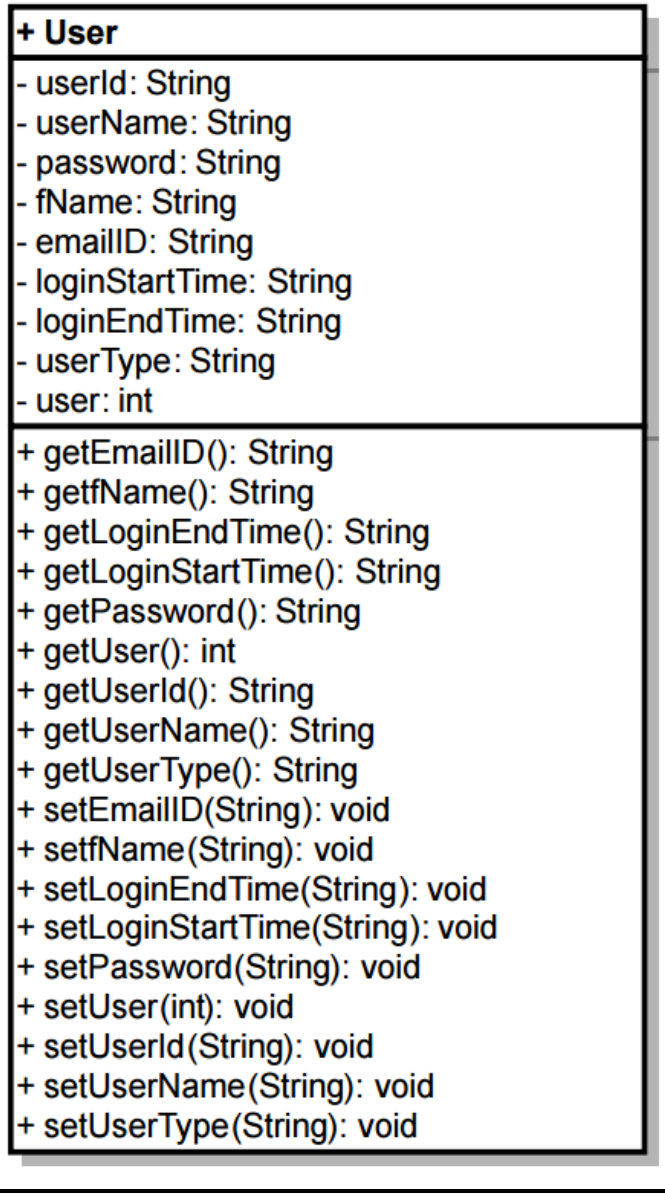
MessageBean:



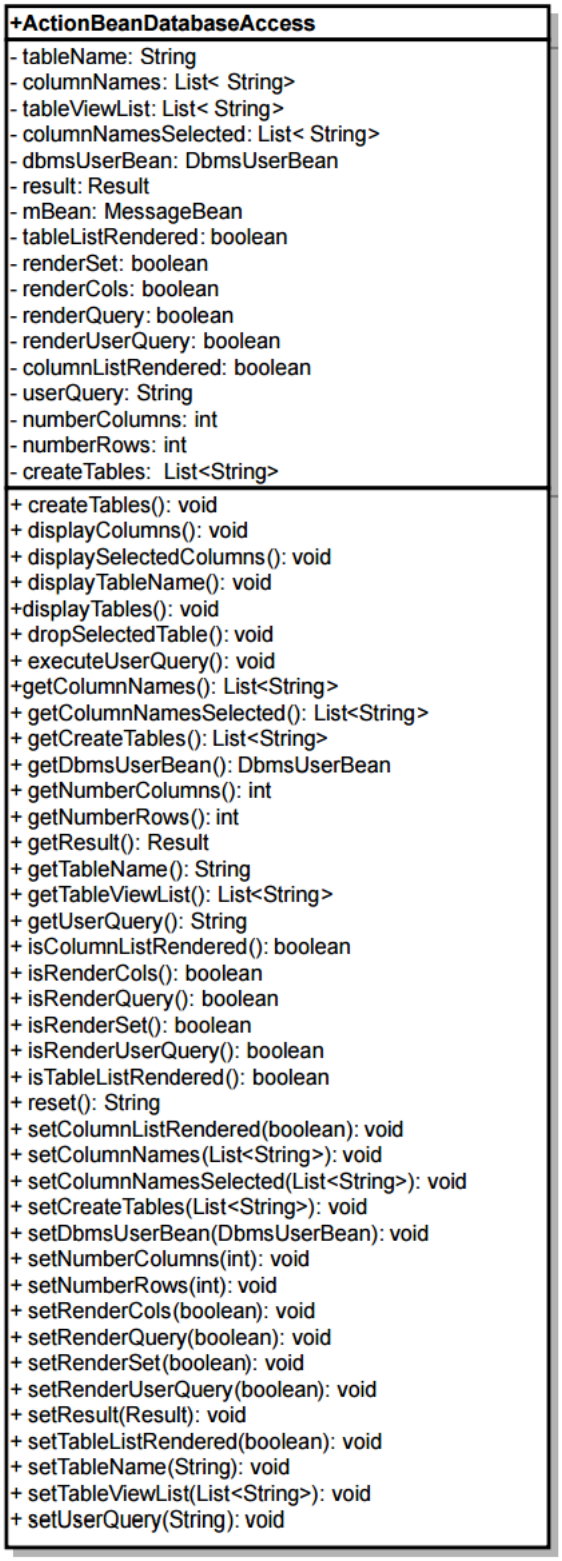
QuestionBean:



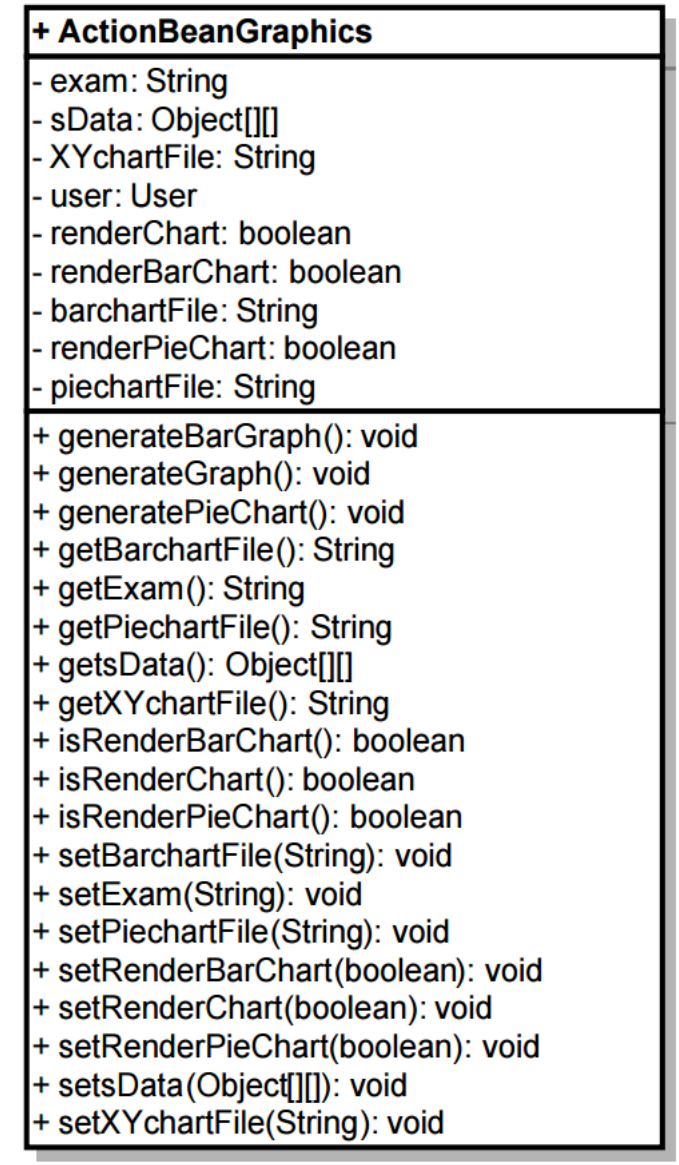
User:


+ User
- userId: String
- userName: String
- password: String
- fName: String
- emailID: String
- loginStartTime: String
- loginEndTime: String
- userType: String
- user: int
+ getEmailID(): String
+ getfName(): String
+ getLoginEndTime(): String
+ getLoginStartTime(): String
+ getPassword(): String
+ getUser(): int
+ getUserId(): String
+ getUserName(): String
+ getUserType(): String
+ setEmailID(String): void
+ setfName(String): void
+ setLoginEndTime(String): void
+ setLoginStartTime(String): void
+ setPassword(String): void
+ setUser(int): void
+ setUserId(String): void
+ setUserName(String): void
+ setUserType(String): void

ActionBeanDatabaseAccess:



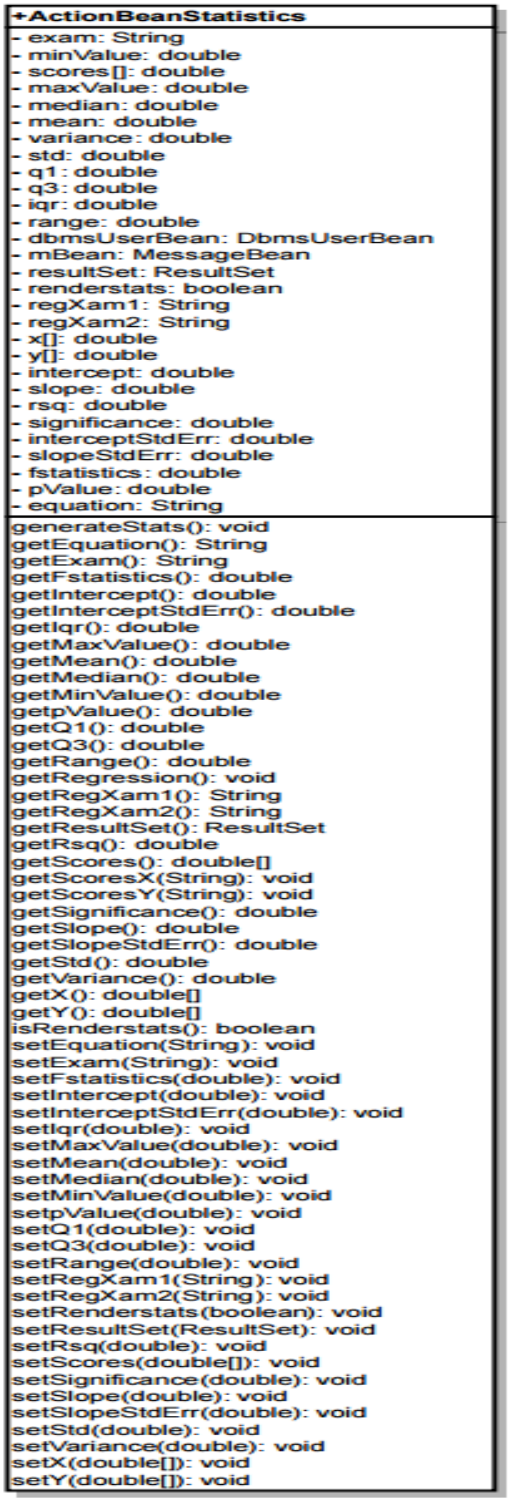
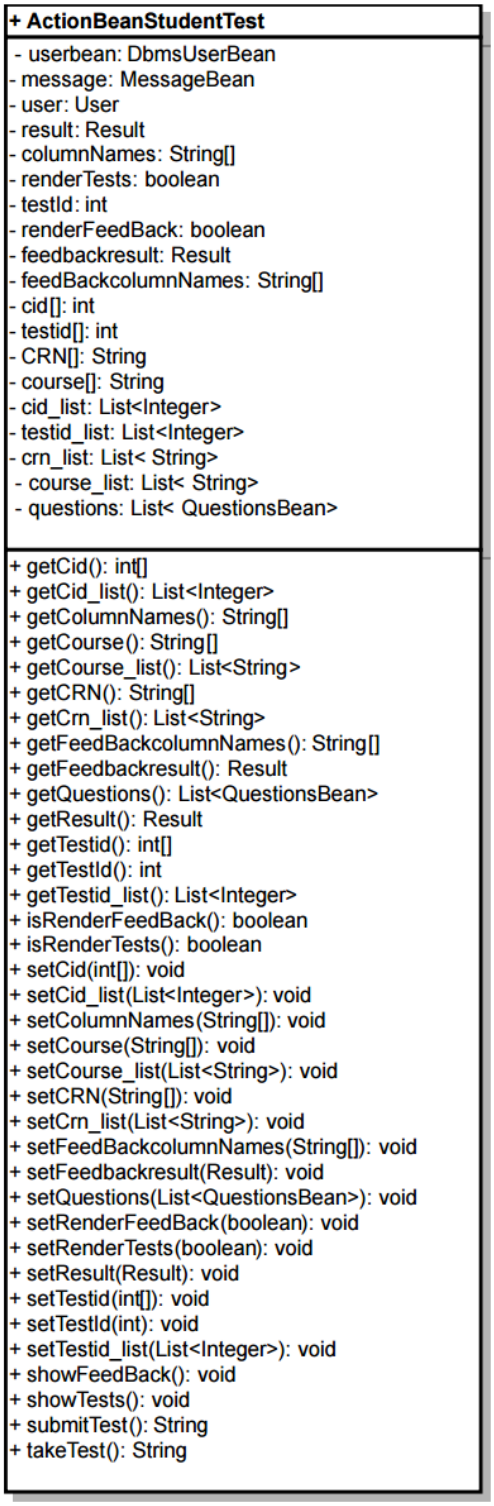
ActionBeanGraphics:



ActionBeanImport:

+ ActionBeanImport
- message:
MessageBean
- fileImport: boolean
- fileImportError: boolean
- fileName: String
- fileSize: long
- table: String
- uploadedFile: UploadedFile
- fileLabel:String
- fileContentType: String
- tableName:String
- context: FacesContext
- user: User
- crn: String
- course: String
- startDate: String
- endDate: String
- duration: String
- rosterOrTest: String
- fileType: String
- tableNameExport:
List<String>
- checkRosterOrTest: boolean
- userbean: DbmsUserBean
- downloadTable: String
- downloadfileName: String
+ actionBeanExport(): String
+ displayDataExport(): String
+ downloadFile(): void
+ getContext(): FacesContext
+ getContextPath(): String
+ getCourse(): String
+ getCrn(): String
+ getDataBean(): ArrayList<DataBean>
+ getDbmsUserBean(): DbmsUserBean
+ getDownloadfileName(): String
+ getDownloadTable(): String
+ getDuration(): String
+ getEndDate(): String
+ getFileContentType(): String
+ getFileLabel(): String
+ getFileName(): String
+ getFileSize(): long
+ getFileType(): String
+ getmBean(): MessageBean
+ getMessage(): MessageBean
+ getNumberRows(): int
+ getRosterOrTest(): String
+ getStartDate(): String
+ getTable(): String
+ getTableName(): String
+ getTableNameExport(): List<String>
+ getUploadedFile(): UploadedFile
+ getUploadedFileContents(): String
+ getUser(): List<String>
+ getUserBean(): DbmsUserBean
+ init(): void
+ isCheckRosterOrTest(): boolean
+ isFileImport(): boolean
+ isFileImportError(): boolean
+ isRenderParseTable(): boolean
+ methodRosterOrTest(): void
+ processDataImport(): String
+ processFileUpload(): String
+ reset(): String
+ setCheckRosterOrTest(boolean): void
+ setContext(FacesContext): void
+ setContextPath(String): void
+ setCourse(String): void
+ setCrn(String): void
+ setDataBean(ArrayList<DataBean>): void
+ setDbmsUserBean(DbmsUserBean): void
+ setDownloadfileName(String): void
+ setDownloadTable(String): void
+ setDuration(String): void
+ setEndDate(String): void
+ setFileContentType(String): void
+ setFileImport(boolean): void
+ setFileImportError(boolean): void
+ setFileLabel(String): void
+ setFileName(String): void
+ setFileSize(long): void
+ setFileType(String): void
+ setmBean(MessageBean): void
+ setMessage(MessageBean): void
+ setNumberRows(int): void
+ setRenderParseTable(boolean): void
+ setRosterOrTest(String): void
+ setStartDate(String): void
+ setTable(String): void
+ setTableName(String): void
+ setTableNameExport(List<String>): void
+ setUploadedFile(UploadedFile): void
+ setUploadedFileContents(String): void
+ setUser(User): void
+ setUserBean(DbmsUserBean): void
+ uploadFile(): void

ActionBeanStatistics:



ActionBeanStudentTest: