Topics In Software Engineering Assignment 02

ABDUL REHMAN , ZEESHAN SHAHID, ZIMAM AHMED SP20-BSE-092@cuilahore.edu.pk

University of Comsats

June 3, 2023

- Add Multiple Line Comments
 - Student Class
 - resultHistoryTableData Class
 - ullet RegistrationController Class
- 2 Add Single Line Comment to Functions
- 3 Change Log File

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Student Class

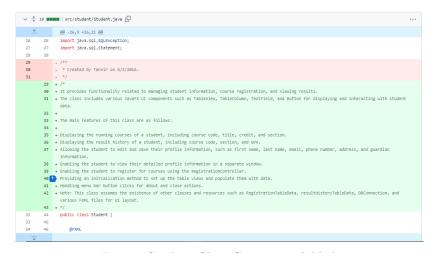


Figure: Student Class Comments Added

resultHistoryTableData Class

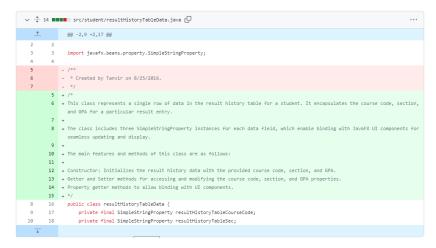


Figure: ResultHistoryTableData Class Comments Added

RegistrationController Class



Figure: RegistrationController Class Comments Added

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studentRegistrationSectionUpdate()

```
∨ ‡ 2 ■■ □□ src/student/RegistrationController.java [ □
               @@ -157,7 +157,7 @@ public ObservableList getOataFromCurrentCourseAndAddToObservableList(String quer
                       return currentCourseTableData;
168
            + // If the finalAllCourse is not empty, it appends the new course and section to the existing courses
161
                   public void studentRegistrationSectionUpdate() throws SQLException (
162
                       connection = database.getConnection():
                       statement = connection.createStatement();
                       if (!finalAllCourse.equals("empty")){
                           finalAllCourse=finalAllCourse+","+courseCode+":"+ChoosingSec;
                           int rowsAffected = statement.executeUpdate("update studentgpa set "+"dbStudentgpaCurrentCourse"+
                                   " = ""+finalAllCourse+" where dbstudentgpaID = '"+ID+"';");
                           finalAllCourse = courseCode+": "+ChoosingSec:
                           int rowsAffected = statement.executeUpdate("update studentgpa set dbStudentgpaCurrentCourse = ""+finalAllCourse+"" where dbstudentgpaID = ""+ID+"';");
```

Figure: studentRegistrationSectionUpdate() Comment Added

get Data From Current Course And Add To Observable List (String query)

```
90
92
                  // Retrieves data from the database and adds it to an observable list
                   private ObservableList getDataFromAllCourseAndAddToObservableList(String query){
94
                       ObservableList<RegistrationTableData> allCourseTableData = FXCollections.observableArravList():
        98
        99
       100
                           connection = database.getConnection();
                           statement = connection.createStatement();
99
                           resultSet = statement.executeOuerv(querv);//"SELECT * FROM cource:"
                           while(resultSet.next()){
                               allCourseTableData.add(new RegistrationTableData(
                                       resultSet.getString("dbCourseCode").
103
                                       resultSet.getString("dbCourseTitle").
                                       resultSet.getInt("dbCourseCredit"),
                                       resultSet.getString("dbCourseSec")
107
108
109
                           connection.close();
                           statement.close();
                           resultSet.close();
                       } catch (SOLException e) {
                           e.printStackTrace();
                       return allCourseTableData;
```

 $\label{lem:control} Figure: getDataFromCurrentCourseAndAddToObservableList(String query) \\ Comment. Added.$

${\tt getDataFromAllCourseAndAddToObservableList(String\ query)}$

```
+ // Retrieves data from the database and adds it to an observable list for the current course table
                   public ObservableList getDataFromCurrentCourseAndAddToObservableList(String guery)(
119
                       ObservableList<RegistrationTableData> currentCourseTableData = FXCollections.observableArravList();
                           connection = database.getConnection();
       126
                           statement = connection, createStatement():
                           resultSet = statement.executeQuery(query);//"SELECT * FROM cource;"
                           String allCourse = null:
126
       129
       138
                           while(resultSet.next()){
                               allCourse = "a"+resultSet.getString("dbStudentgpaCurrentCourse");
130
                           if (!(allCourse.equals("anull"))&&!(allCourse.equals("a"))){
                               allCourse=allCourse.substring(1):
                               finalAllCourse = allCourse;
                               String cCode = null,cSec = null,cName = null;
135
       138
                               int ccredit = 0:
136
                               String[] Courses = allCourse.split(",", 0);
       140
                               for (String s:Courses) {
                                   cCode=s.substring(0.s.indexOf(":")):
       142
                                   cSec=s.substring(s.indexOf(":")+1);
                                   resultSet1 = statement.executeQuery("SELECT * FROM course WHERE dbCourseCode = '"+cCode+"';");
141
                                   while (resultSet1.next()){
                                       cName = resultSet1.getString("dbCourseTitle");
                                       cCredit = resultSet1.getInt("dbCourseCredit");
       147
                                   currentCourseTableData.add(new RegistrationTableData(cCode,cName,cCredit,cSec));
```

 $\label{lem:figure:getDataFromAllCourseAndAddToObservableList(String\ query)} Comment\ Added$

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ChangeLog File

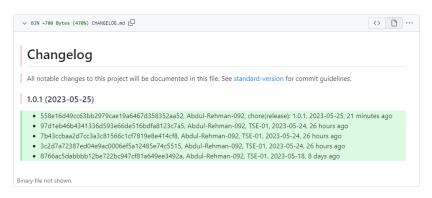


Figure: Change Log Update

 $\verb|https://github.com/Abdul-Rehman-092/SRS.git|$

Thank You for Your Attention!