

Computer Science 2212 B

Team Assignment 4

Team 4

Due Date: April 2nd, 2014 at 11:59PM

Team Members:

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Section 1: Revised Users Stories

User stories completed since last assignment:

- User sends reports to students via email (gradebook management)
- User generates report (gradebook management)
- User can select a colour theme for their course (extra)
- User can see their class averages (gradebook management)
- User can sync to dropbox (extra)
- User can hide some columns in the table (extra)

Course Management

User adds a course

1. While program is running, click on My Courses/Active Course tab in the top right
2. On the dropdown menu, click on Add Course at the bottom
3. Fill in the required information for a course, and click on Add Course
4. New course should be the new Active Course, and appear in the My Courses menu list

User edits course attributes

1. With an active course selected, click on the Course Setup tab
2. Change the course information in the first set of text boxes, and press Submit Changes
3. Changes should be saved and be reflected in the Active Course tab

User removes a course

1. With an active course selected, click on the Course setup tab
2. Press "Delete Course" below the submit changes button
3. Click on "yes" at the warning prompt
4. Course should now be removed from the My Courses list and inaccessible

User exports deliverables

1. With an active course selected, click on the Course setup tab
2. On the right, below the Deliverables List, click on the button that says Export Deliverables
3. Choose a file location for the generated .csv file to be written
4. Press Save. CourseNameDeliverables.csv should now be written.

User exports students

1. With an active course selected, click on the Grades tab
2. Click on the button that says Export Students, above the grading table
3. Choose a file location for the generated .csv file to be written
4. Press Save. CourseNameStudents.csv should now be written.

User exports grades

1. With an active course selected, click on the Grades tab
2. Click on the button that says Export Grades, above the grading table
3. Choose a file location for the generated .csv file to be written
4. Press Save. CourseNameGrades.csv should now be written.

User imports deliverables

1. With an active course selected, click on the Course setup tab
2. On the right, below the Deliverables List, click on the button that says Import Deliverables
3. Select the csv file that contains the desired Deliverables information (exported using the same program)
4. Press Save. Deliverables imported should now populate the deliverables list.

User imports students

1. With an active course selected, click on the Grades tab
2. Click on the button that says Import Students, above the grading table
3. Select the csv file that contains the desired Students information (exported using the same program)
4. Press Save. Students should now have populated the grading table.

User imports grades

1. With an active course selected, click on the Grades tab
2. Click on the button that says Import Grades, above the grading table
3. Select the csv file that contains the desired Grades information (exported using the same program). Deliverables to corresponding grades must already be added/imported.
4. Press Save. Press Yes to any error prompt. Grades should now have populated the grading table at locations where the students exist.

User edits a student's grades

1. With an active course selected and at least one student in the course, double click the area in the gradebook corresponding to a grade you would like to edit/add
2. Type in a grade between 0-100 and press Enter. Or, press Esc to exit editing mode
3. Grade should be saved for that student, and should be reflected in the course grade

Gradebook Management

User changes active course

1. While program is running and at least 1-2 courses exist, click on the My Courses or Active Tab in the right corner
2. Click on a course that is different from the currently active course
3. Program content should now reflect the data in the newly active course

User quits program

1. While program is running, click on the red X in the top right corner
2. User data is saved and program exits

User can save their information

1. While program is running, click on the red X in the top right corner
2. User data is saved and program exits

User can view student grades in the course

1. With an active course selected, select the Grades tab
2. Student grades will appear in the grading table for the active course, if any exist

User can see their class averages

1. With an active course selected, select the Grades tab
2. Class averages will appear in the bottom right corner for the active course, if it exists

User can calculate their course averages

1. With an active course selected, select the Grades tab
2. Course averages will adjust as student grades are added/edited

User generates a student report PDF/User sends reports to students via email

1. With an active course selected and at least one student, select the Grades Tab
2. Review SMTP settings in the Settings panel -- adjust if necessary
3. Select student(s) from the grading table, and click Email Selected Students
4. Fill in a subject and message, and click on the Attach Report toggle
5. Click Send. Report is accessible as an attachment in that sent email.

Deliverables Management

User adds a deliverable

1. With an active course selected, click on the Grades tab
2. On the left, below the deliverables list, click on Add Deliverable
3. Fill in the required information for a deliverable
4. Click Add. Deliverable should appear in the Deliverables list if the information was valid

User edits deliverable attributes

1. With an active course selected and at least one Deliverable, click the Course setup tab
2. Select a deliverable from the deliverables list on this panel, and edit the attributes that appear on the lower set of text boxes
3. Click Submit changes. Changes should be saved (if valid) and be reflected in the Deliverables list

User removes a deliverable

1. With an active course selected and at least one deliverable in the course, click on the deliverables list either on the Grades tab or the the Course Setup tab
2. Click on the Delete Deliverable button
3. Click on “yes” at the warning prompt
4. Deliverable should be gone from the list and grading table

Student Management

User adds a student

1. With an active course selected, click on the Grades tab
2. On the left, below the deliverables list, click on Add Student
3. Fill in the required information for a student (Student no and email should be unique)
4. Click Add. Student should appear in the Student list if the information was valid

User edits student attributes

1. With an active course selected and at least one student, double click the area in the table that you would like to edit
2. Type in a new value and press Enter (Student no and email must both be unique)
3. New attribute should be saved for that student

User removes a student

1. With an active course selected and at least one student in the course, click on the row where the student appears to delete them
2. A new “Delete student” should appear beside the “Add student” button above the table
3. Click Delete Student
4. Click Yes at the warning prompt
5. Student should now be removed from the grading table and course.

Extras

User can select a colour theme for their course

1. With an active course selected, click on Course Setup
2. Choose a colour in the first row. Background colour will change and be saved for this course

User can calculate the grades required in the remainder of a course, for a student to obtain a specified grade

1. With an active course selected and at least one student, click on Grades
2. Select a student and click on Average Calculator
3. Input the desired average for the student
4. Results will appear on the screen

User can hide some columns in the table

1. With an active course selected, click on Grades

2. Click on toggles below the grading table to hide their respective columns and change the gradebook view

User can sync to dropbox

1. With an active course selected, click on Settings
2. On the dropbox half, click on Activate. Fill in your required dropbox information in the resulting browser
3. Retrieve the activation code served from the dropbox site and type it into the blank in the application. Press Validate.
4. Now Upload/Download as required

User Stories Link:

<https://www.pivotaltracker.com/s/projects/1010498>

DONE

123 Jan

Pts: 0%

▼26 Feb

Pts: 18%

★

courses management

User edits course attributes (ZA)

★

courses management

User adds a course (ZA)

★

courses management

User removes a course (ZA)

★

gradebook management

User changes active course (ZA)

★

deliverables management

User edits deliverable attributes (ZA)

★

deliverables management

User adds a deliverable (ZA)

★

deliverables management

User removes a deliverable (ZA)

★

student management

User edits student attributes (ZA)

★

student management

User adds a student (ZA)

★

student management

User removes a student (ZA)

▼320 Feb

Pts: 22%

★

courses management

User exports deliverables (ZA)

★

courses management

User exports students (ZA)

★

courses management

User imports grades (ZA)

★

gradebook management

User quits program (MI)

★

courses management

User edits student's grades (ZA)

★

gradebook management, user interface A

user can save their information (JL)

★

gradebook management

User views student grades in the course (ZA)

★

courses management

User imports students (ZA)

★

courses management

User imports deliverables (ZA)

★

gradebook management

User generates a student report PDF (ST)

▼46 Mar

Pts: 2%

★

user interface

User can switch between program tabs (Grades, Setup, Reporting) (JL)

CURRENT

520 Mar - Current

Pts: 9 of 9%

Hide accepted stories

...

★

gradebook management

User sends reports to students via email (JC)

★

courses management

User exports grades (ZA)

★

extra

User can sync to dropbox (ZA)

★

extra

User can select a colour theme for their course (ZA)

★

gradebook management

User can see their class averages (JL)

★

gradebook management

User can calculate their course avgs (JL)

★

extra

User can calculate the grades required in the remainder of a course, for a student to obtain a specified grade (ZA)

★

extra

User can hide some columns in the table (JL)

BACKLOG

ICEBOX

Select All

★

User can create a new student directly from the table (JL)

Start

EPICS

show 2 done epics

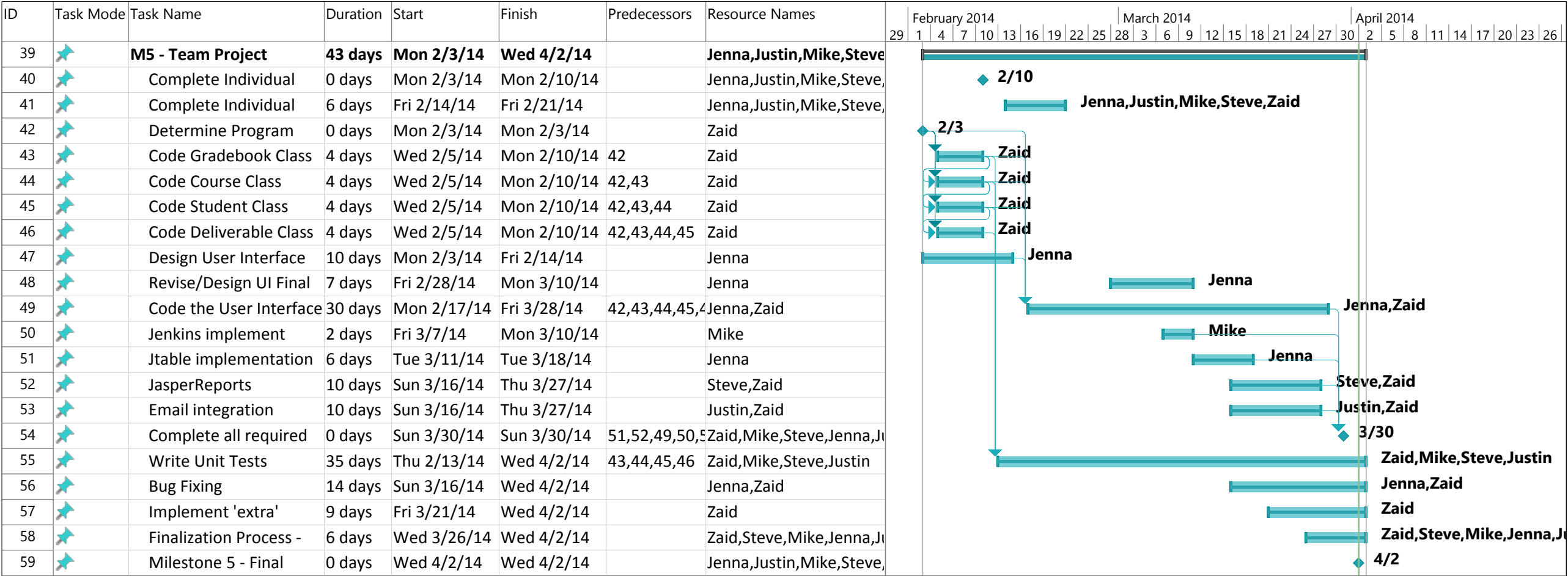
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Course Management

Gradebook management

Section 2: Project Plan

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names	February 2014												March 2014												April 2014											
								29	1	4	7	10	13	16	19	22	25	28	3	6	9	12	15	18	21	24	27	30	2	5	8	11	14	17	20	23	26						
1	🚀	M1 - Assignment 1	0 days	Mon 2/3/14	Fri 2/14/14		Jenna,Justin,Mike,Zaid,Steve																																				
2	🚀	Personnel Profiles	2 days	Mon 2/3/14	Tue 2/4/14		Steve,Jenna,Justin,Mike,Zaid																																				
3	🚀	Complete User Stories	2 days	Tue 2/4/14	Wed 2/5/14		Justin,Mike,Steve,Zaid																																				
4	🚀	Create UML Diagram	1 day	Wed 2/5/14	Thu 2/6/14		Zaid																																				
5	🚀	Program Interfaces	1 day	Thu 2/6/14	Fri 2/7/14	4	Zaid																																				
6	🚀	Project Plan/Gantt	3 days	Thu 2/6/14	Mon 2/10/14		Jenna,Zaid																																				
7	🚀	Finalize Report PDF	1 day	Wed 2/12/14	Wed 2/12/14		Zaid																																				
8	🚀	Milestone 1 -	0 days	Fri 2/14/14	Fri 2/14/14		Jenna,Justin,Mike,Steve,Zaid																																				
9	🚀	M2 - Assignment 2	9 days	Mon 2/17/14	Thu 2/27/14		Jenna,Justin,Mike,Steve,Zaid																																				
10	🚀	Revise/Review User	0 days	Mon 2/17/14	Mon 2/17/14		Justin,Mike,Steve																																				
11	🚀	Revise/Review UML	1 day	Tue 2/18/14	Tue 2/18/14		Zaid																																				
12	🚀	Class Descriptions	1 day	Wed 2/19/14	Wed 2/19/14		Zaid																																				
13	🚀	Create JavaDoc	1 day	Thu 2/20/14	Thu 2/20/14	12	Zaid,Jenna																																				
14	🚀	Update Project	1 day	Wed 2/19/14	Wed 2/19/14		Jenna																																				
15	🚀	Generate Prototype	0 days	Thu 2/20/14	Mon 2/24/14		Jenna,Mike,Zaid,Justin,Steve																																				
16	🚀	Finalize Report PDF	1 day	Thu 2/27/14	Thu 2/27/14		Zaid,Jenna																																				
17	🚀	Milestone 2 -	0 days	Fri 2/28/14	Fri 2/28/14		Jenna,Justin,Mike,Steve,Zaid																																				
18	🚀	M3 - Assignment 3	23 days	Wed 2/12/14	Fri 3/14/14		Jenna,Justin,Mike,Steve,Zaid																																				
19	🚀	Jensen Lab	5 days	Fri 2/28/14	Thu 3/6/14		Mike																																				
20	🚀	JasperReports Lab	5 days	Fri 2/28/14	Thu 3/6/14		Steve																																				
21	🚀	Data Persistence Lab	5 days	Fri 2/28/14	Thu 3/6/14		Zaid																																				
22	🚀	JTable Lab	5 days	Fri 2/28/14	Thu 3/6/14		Jenna																																				
23	🚀	Email w Amazon Lab	5 days	Fri 2/28/14	Thu 3/6/14		Justin																																				
24	🚀	Complete Individual Lab	0 days	Fri 3/7/14	Fri 3/7/14	19,20,21,22,23																																					
25	🚀	Revise/Review UML	3 days	Wed 3/12/14	Fri 3/14/14		Zaid																																				
26	🚀	Revise/Review User	3 days	Wed 3/12/14	Fri 3/14/14		Jenna,Steve																																				
27	🚀	Update Project	3 days	Wed 3/12/14	Fri 3/14/14		Jenna																																				
28	🚀	Write Acceptance Tests	6 days	Sun 3/9/14	Fri 3/14/14		Mike,Justin																																				
29	🚀	2/3 Prototype	11 days	Sun 3/2/14	Fri 3/14/14		Zaid																																				
30	🚀	Prepare PDF report	1 day	Fri 3/14/14	Fri 3/14/14		Jenna																																				
31	🚀	Milestone 3 -	0 days	Sat 3/15/14	Sat 3/15/14		Jenna,Justin,Mike,Steve,Zaid																																				
32	🚀	M4 - Assignment 4	14 days	Fri 3/14/14	Wed 4/2/14		Jenna,Justin,Mike,Steve,Zaid																																				
33	🚀	Revise User Stories	7 days	Tue 3/25/14	Wed 4/2/14		Jenna																																				
34	🚀	Revise Project Plan	7 days	Tue 3/25/14	Wed 4/2/14		Jenna																																				
35	🚀	Project Video/Report	9 days	Sun 3/23/14	Wed 4/2/14		Jenna																																				
36	🚀	Prepare PDF	6 days	Wed 3/26/14	Wed 4/2/14		Jenna																																				
37	🚀	Unit Tests	12 days	Tue 3/18/14	Wed 4/2/14		Justin,Mike,Steve,Zaid																																				
38	🚀	Milestone 4 -	4 days	Fri 3/28/14	Wed 4/2/14		Jenna,Justin,Mike,Steve,Zaid																																				



Section 3: Project Video

We selected Option A: Project video

Video is located here: <http://youtu.be/1G21d19a10s>

Section 4: Unit Tests

Non-GUI Classes

Course.java
Deliverable.java
Dropbox.java
Email.java
Grade.java
Gradebook.java
MyAvg.java
MyProperties.java
Report.java
Student.java
StudentGrades.java
StudentReportData.java

CourseADT.java
DeliverableADT.java
GradeADT.java
GradebookADT.java
StudentADT.java
StudentGradesADT.java

GUI Classes:

GradebookGUI.java
GradesTable.java
UsersTable.java
GradeCellRenderer.java