

# Assignment 3

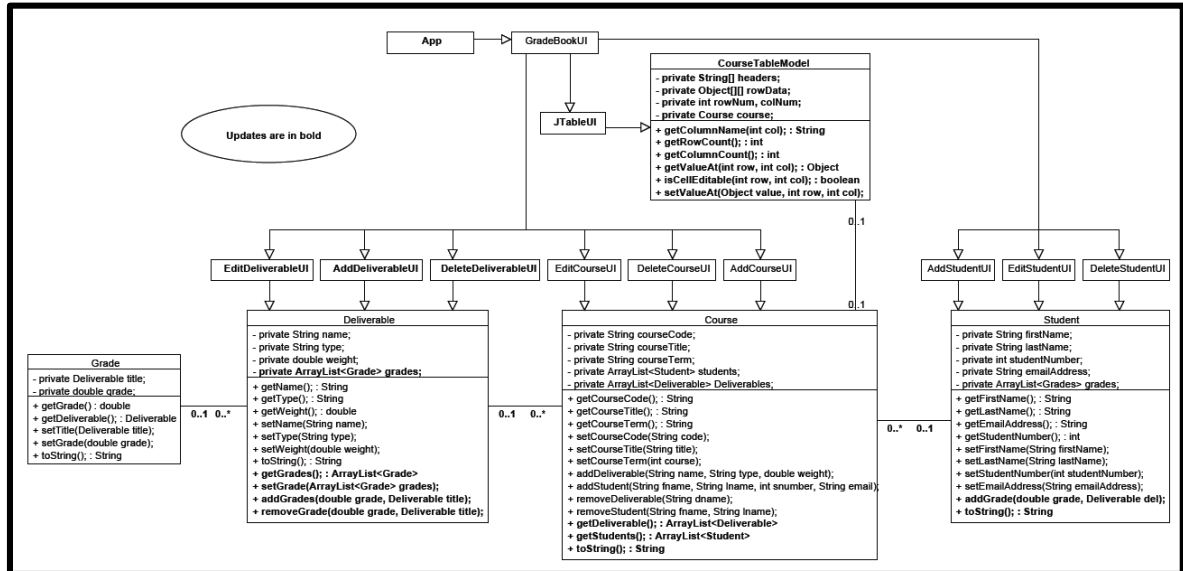
CS 2212

Team 6

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*Due: March 14, 2014*

## 1. REVISED UML DIAGRAM



## 2. REVISED USER STORIES

<https://www.pivotaltracker.com/s/projects/1010556>

**DONE**

- 1 | 24 Feb | Pts: 9 | %
- 2 | 3 Mar | Pts: 0 | %

**CURRENT**

- 3 | 10 Mar - Current | Pts: 19 of 22 | %
- student management The user can edit an existing students info (VLS)
- student management The user can add a student to a course (VM)
- student management The user deletes a student from a course (VLS)
- deliverable management User can edit a deliverable (TS)
- deliverable management User can add a deliverable to the course (TS)
- deliverable management User can delete a deliverable (TS)
- general usage epic User can save at any time by pressing save, or be prompted on exit (AY)
- general usage epic A spreadsheet is created when the user creates a new course, containing deliverables, students and grades. (VM)

**BACKLOG**

- 4 | 17 Mar | Pts: 4 | %
- student management The program calculates weighted averages for students (VM)
- student management The user can import a list of students (AT)
- 5 | 24 Mar | Pts: 3 | %
- deliverable management User can import grades (AY)
- deliverable management User can export grades in csv form (AY)
- 6 | 31 Mar | Pts: 5 | %
- student management user can email grade reports to students (VLS)
- student management User generates a grade report for a student (TS)

**EPICS**

- General Usage Epic
- Deliverable Management
- Student Management
- Course Management

**ICEBOX**

- Selected All | %
- deliverable management User can add a deliverable to the course (TS)
- deliverable management User can delete a deliverable (TS)
- general usage epic User can save at any time by pressing save, or be prompted on exit (AY)
- general usage epic A spreadsheet is created when the user creates a new course, containing deliverables, students and grades. (VM)
- general usage epic User selects a course, all associated data appears. (VM)
- course management User views student grades in the course (VM)
- student management User can edit a student's grade (VM)

The user stories that have been created during this sprint are:

1. The user can add a student to a course
  - a. Click Add (in the menu bar) → Student
    - i. A tab appears for adding a student
  - b. Choose a course to add a student to from the dropdown list
  - c. Enter the student's information
  - d. Click Add
    - i. a message confirms the student has been added
2. The user can edit an existing student
  - a. Click Edit (in the menu bar) → Student
    - i. A tab appears for editing a student
  - b. Choose a course from the dropdown list
  - c. Choose a student from the dropdown list
  - d. Enter the new student information
  - e. Click Update
    - i. a message confirms the student has been updated
3. The user can delete an existing student
  - a. Click Delete (in the menu bar) → Student
  - b. Choose a course from the dropdown list
  - c. Choose a student from the dropdown list
  - d. Click the Delete button
    - i. a message confirms the student has been deleted
4. The user can add a deliverable to a course
  - a. Click Add (in the menu bar) → Deliverable
    - i. A tab appears for adding a deliverable
  - b. Choose a course to add a deliverable to from the dropdown list
  - c. Enter the deliverable's information
  - d. Click Add
    - i. a message confirms the deliverable has been added
5. The user can edit an existing deliverable
  - a. Click Edit (in the menu bar) → Deliverable
    - i. A tab appears for editing a deliverable
  - b. Choose a course from the dropdown list
  - c. Choose a deliverable from the dropdown list
  - d. Enter the new deliverable information
  - e. Click Update
    - i. a message confirms the deliverable has been updated
6. The user can delete an existing deliverable
  - a. Click Delete (in the menu bar) → Deliverable
  - b. Choose a course from the dropdown list
  - c. Choose a deliverable from the dropdown list
  - d. Click the Delete button
    - i. a message confirms the deliverable has been deleted
7. The user can save at any time
  - a. Click File (in the menu bar) → Save
8. The user selects a course and all associated data appears
  - a. Select the desired course from the combo box next to "Select Course:"
  - b. Click "Open"
    - i. all course information appears in a table in a new tabbed pane
9. A spreadsheet is created when the user creates a new course with students and deliverables
  - a. This done behind the scenes, user story #8 (listed above) is the visual consequence

### 3. ACCEPTANCE TESTS

ID	1
Testing	Admin User creating a new course; invalid course code
Reference	4.2.a
Test Case	1. At the GUI prompt, click 'Add' 2. Select Course 3. Enter CS
Expected Output Error.	
Message: Invalid Course Code: Missing course number	
ID	2
Testing	Admin User creating a new course; invalid course code
Reference	4.2.a
Test Case	1. Enter C
Expected Output Error.	
Message: invalid Course Code: Too short	
ID	3
Testing	Admin User creating a new course; invalid course code
Reference	4.2.a
Test Case	1. Enter 12121313
Expected Output Error.	
Message: Invalid Course Code: Course Code should contain letters as well	
ID	4
Testing	Admin User Creating a new Course; invalid course code

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Reference	4.2.a
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Test Case	1. Enter Introduction to Software Engineering 2014
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Expected Output Error.

Message:Invalid Course Code: Course Code Should not pass 15 characters

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ID	5
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Testing	Admin User Creating a new Course; invalid course code
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Reference	4.2.a
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Test Case	1. Do not enter anything for the course code 2. Click 'Add'
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Expected Output Error.

Message:Invalid Course Code: Course Code should contain a course code

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ID	6
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Testing	Admin User Creating a new Course; invalid course title
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Reference	4.2.a
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Test Case	1.Click on 'Course Title' text 2. Enter abcde
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Expected Output Error.

Message: Invalid Course Title: Course title is too short

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ID	7
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Testing	Admin User Creating a new Course; invalid course title
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Reference	4.2.a
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Test Case	1. Enter Computer Science
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Expected Output Error.

Message: Invalid Course Title: Course title is missing integers

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ID	8
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Testing	Admin User Creating a New Course; invalid course title
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Reference	4.2.a
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Test Case	1. Enter 2212
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Expected Output Error.

Message: Invalid Course Title: Course title is missing course name

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ID	9
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Testing	Admin User Creating a New Course; invalid course title
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Reference	4.2.a
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Test Case	1.Enter 123123 Computer Science 2131
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Expected Output Error.

Message: Invalid Course Title: Course Title should not have 2 sets of integers

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ID	10
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Testing	Admin User Creating a New Course; invalid course title
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Reference	4.2.a
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Test Case	1. Enter cs 2014
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Expected Output Error.

Message: Invalid Course title: This is supposed to be Course Title

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ID	11
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Testing	Admin User Creating a New Course; invalid course title
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Reference	4.2.a
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Test Case	1. Do not enter anything 2. Click 'Add'
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Expected Output Error.

Message: Invalid Course title: You are missing a course title

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ID	12
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Testing	Admin User Creating a New Course; Deleting a course
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Reference	4.2.3
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Test Case	1. On GUI prompt, click 'Delete' 2. Click 'Course' 3. Click on correct course
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Expected Output Message: Course is Deleted

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ID	13
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Testing	Admin User Creating a New Course; Changing a course
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Reference	4.2.4
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Test Case	1. On GUI prompt, click 'Edit' 2. Click 'Course' 3. Click on correct course 4. Type in new Course Title 5. Type in new Course Code
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Expected Output Message Students course is now changed

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ID	13
Testing	Admin User Editing an existing student; Invalid First Name
Reference	4.3.2.a
Test Case	<ol style="list-style-type: none"><li>1. At GUI prompt, Click 'Edit'</li><li>2. Click 'Student'</li><li>3. Select the Course the student is in</li><li>4. Select the Student</li><li>5. Erase First Name</li><li>6. Click Update</li></ol>

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Expected Output Error.

Message : Invalid First Name: Must have a First Name

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ID	14
Testing	Admin User Editing an existing student; Invalid First Name
Reference	4.3.2.a
Test Case	<ol style="list-style-type: none"><li>1. Type 'a'</li></ol>

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Expected Output Error.

Message: Invalid First Name: First Name is too short

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ID	15
Testing	Admin User Editing an existing student; Invalid First Name
Reference	4.3.2.a
Test Case	<ol style="list-style-type: none"><li>1. Type in 'a'</li></ol>

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Expected Output Error.

Message: Invalid First Name: First Name is too short



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ID	16
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Testing	Admin User Editing an existing student; Invalid Last Name
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Reference	4.3.2.b
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Test Case	1. Erase Last Name
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Expected Output Error.

Message: Invalid Last Name: Must have a Last Name

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ID	17
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Testing	Admin User Editing an existing student; Invalid Student ID
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Reference	4.3.2.c
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Test Case	1. Erase Student Id
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Expected Output Error.

Message : Invalid Student ID: Must Have A Student ID

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ID	18
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Testing	Admin User Editing an existing student; Invalid Email Address
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Reference	4.3.2.d
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Test Case	1. Erase Email Address
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Expected Output Error.

Message: Invalid Email Address: Must Have An Email Address

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ID	19
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Testing	Admin User Editing an existing student; Invalid Email Address
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Reference	4.3.2.d
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Test Case	1. Type 'Team6'
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Expected Output Error.

Message : Invalid Email Address: Must be a '@uwo.ca' email address

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ID	20
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Testing	Admin User Editing an existing student; Deleting student
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Reference	4.3.3
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Test Case	1. On GUI prompt, click 'Delete' 2. Click Student 3. Select Course 4. Select Student
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Expected	Message : Student is deleted
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ID	21
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Testing	Admin User Editing an existing Student; Import a list of students
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Reference	4.3.4
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Test Case	1. On GUI prompt, click Import/Export 2. Click 'Import Student List'
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Expected	Students in the following format: "09","A","119","2","UGRD","CS","2212B","001","250001","Smith","John","","SSb4", <a href="#">jsmi@uwo.ca</a>
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#### 4. JENKINS CI

<http://ec2-54-196-249-62.compute-1.amazonaws.com>

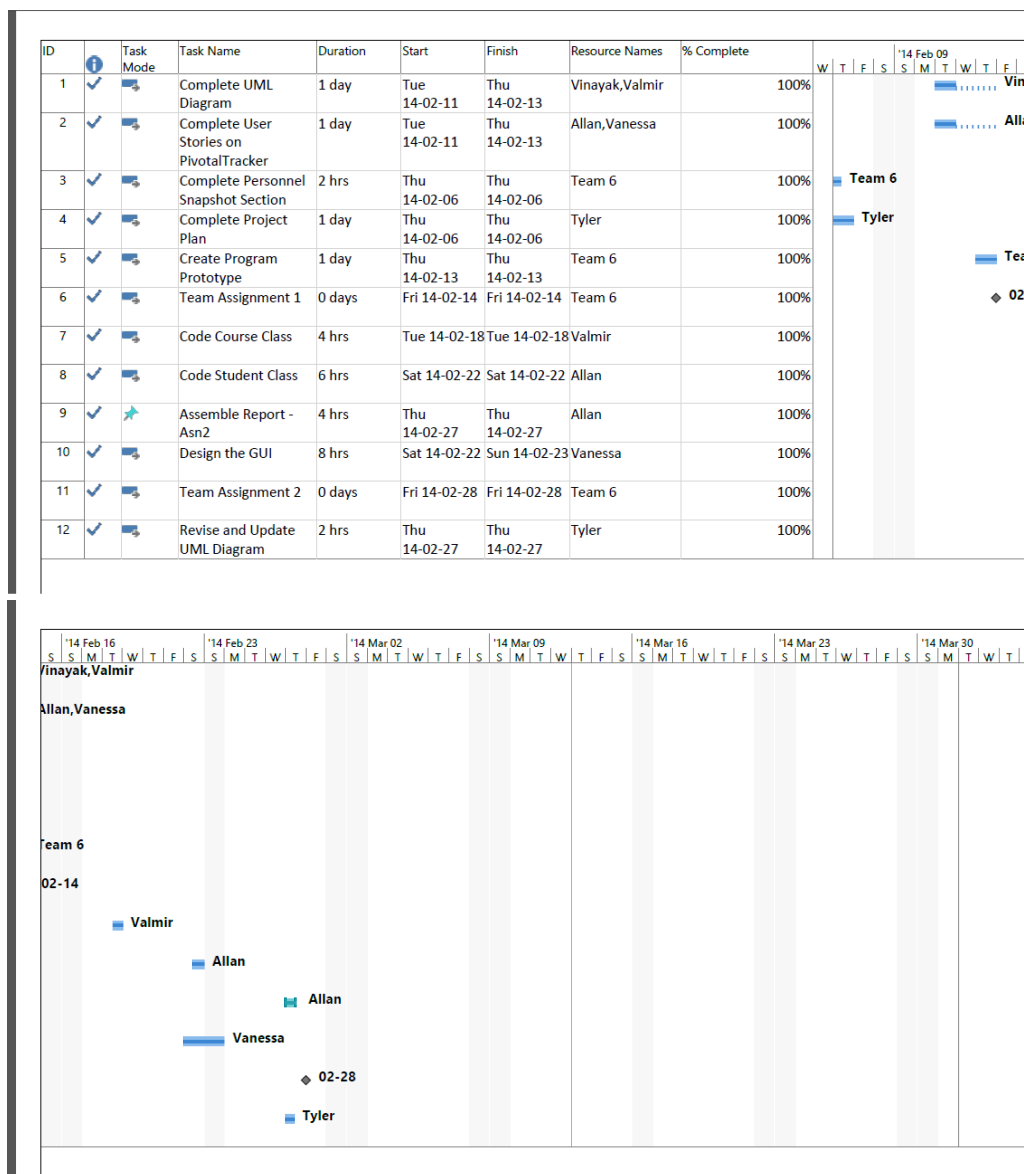
Username:

ta

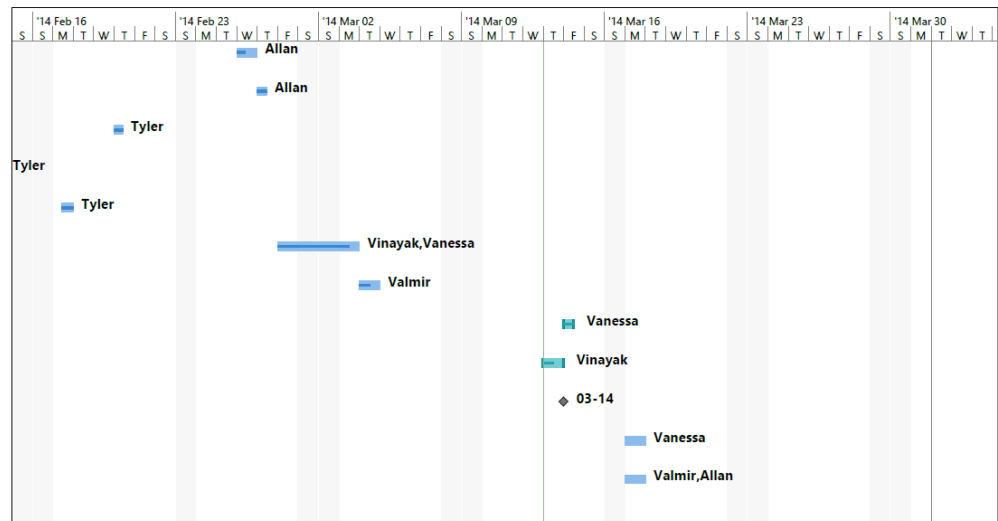
Password:

jenna (all lowercase)

#### 5. PROJECT PLAN



ID	Task Mode	Task Name	Duration	Start	Finish	Resource Names	% Complete	W	T	F	S	'14 Feb 09	S	M	T	W	T	F	S
13		Revise User Stories	8 hrs	Wed 14-02-2	Wed 14-02-2	Allan	25%												
14		Generate Class Descriptions	3 hrs	Thu 14-02-27	Thu 14-02-27	Allan	100%												
15		Update Project Plan	2 hrs	Thu 14-02-20	Thu 14-02-20	Tyler	100%												
16		Code Grade Class	6 hrs	Fri 14-02-14	Fri 14-02-14	Tyler	100%												
17		Code Deliverables Class	6 hrs	Mon 14-02-17	Mon 14-02-17	Tyler	100%												
18		Code the GUI	16 hrs	Fri 14-02-28	Mon 14-03-0	Vinayak,Vanessa	75%												
19		Write Unit Tests	8 hrs	Tue 14-03-04	Tue 14-03-04	Valmir	50%												
20		Assemble Report - Asn3	4 hrs	Fri 14-03-14	Fri 14-03-14	Vanessa	100%												
21		Integrate Jtables	8 hrs	Thu 14-03-13	Thu 14-03-13	Vinayak	50%												
22		Team Assignment 3	0 hrs	Fri 14-03-14	Fri 14-03-14	Team 6	100%												
23		Code Email Function	8 hrs	Mon 14-03-1	Mon 14-03-1	Vanessa	0%												
24		Code Grade Import/Export Function	8 hrs	Mon 14-03-17	Mon 14-03-17	Valmir,Allan	0%												



ID	Task Mode	Task Name	Duration	Start	Finish	Resource Names	% Complete	W	T	F	S	'14 Feb 09	S	M	T	W	T	F	S
25	★	Update Data Persistence	2 hrs	Wed 14-03-26	Wed 14-03-26	Allan	0%												
26	★	Code PDF Generation ability	8 hrs	Mon 14-03-24	Mon 14-03-24	Tyler	0%												
27	★	Write Design Choices Report	5 days	Mon 14-03-17	Fri 14-03-21	Team 6	0%												
28	★	Final PivotTracker Submission	5 hrs	Thu 14-03-27	Thu 14-03-27	Allan	0%												
29	★	Ensure Code Coverage in Unit Tests	5 hrs	Mon 14-03-24	Mon 14-03-24	Valmir	0%												
30	★	Final Update of GUI	16 hrs	Mon 14-03-2	Tue 14-03-25	Vanessa	0%												
31	★	Final update of Gantt Chart	3 hrs	Thu 14-03-27	Thu 14-03-27	Vanessa	0%												
32	📅	Team Assignment 4	0 days	Fri 14-03-28	Fri 14-03-28	Team 6	0%												
33	📅	Final Code Submission	0 days	Mon 14-03-31	Mon 14-03-31	Team 6	0%												

