Software Development Practice COMP602 COMP705 Assessment 2

Assessment 2 - Sprint 1 Deliverables

Weighting: 25% Team

Due Monday 25 May (week 9) by 10:00 am.

Part 1A- Team Trello Deliverables (20%)

The Deliverables for this assessment are:

1. **Completed Code/User Stories (45%):**
   - Completed User Stories will be found in the **Done** column of your Trello board.
     i. Expected completed user stories will be relative to the team size
   - Completed User Stories should have the names of the team members who worked on them as **labels**. Ensure that the markers can tell:
     i. Which team member Developed this User story (you can include more than one)
        - For example, "Matthew – Developer"
     ii. Who Tested the User Story.
        - For example, "Matthew – Tester"
   - Do the completed user stories meet your definition of done?
   - How much code was written in respective to the team size?
     i. <u>Note we must be able to find and download from **GitHub** your code for it to be assessed.</u>

2. **Code documentation and Repository maintenance (5%):**
   - Provide a link to an archive containing your project code under the **Documentation** column of your Trello board.
   - Invite all the Teaching Assistants to be members of your group GitHub so that they can view your source repository. <u>Do not send your code to us as a ZIP file.</u>
   - How is the quality of the code? How is the repository looking? What version practices/features did your team follow and use?
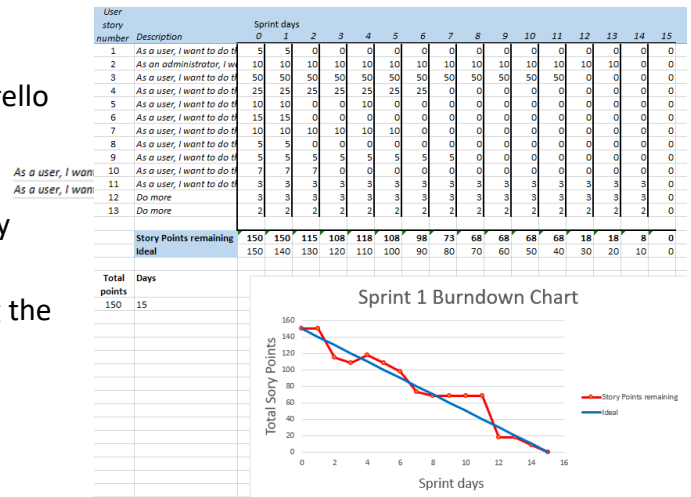
3. **Unit Tests (15%):**
   Create a <u>single</u> PDF document showing evidence of performing Test-Driven Development (TDD):
   - For each User Story developed using Test-Driven Development, list the User Story and then provide the Unit Tests and acceptance tests you created.
     o At a minimum, each member of the team should have evidence of TDD for <u>at least</u> one user story.
   - Tests should be written and named following a logical sequence of development.
   - Upload the PDF under the **Documentation** column of your Trello board on a card names **Test-Driven Development.**

4. **Sprint 1 Burndown Chart (5%):**
    Upload your Sprint 1 Burndown Chart to Trello:
    - Save it as a PDF document on its own Trello card in your **Documentation** column.
    - Show the titles of the User Stories in the Excel table column B (The User Story number column is optional).
    - Describe the progress of the team using the burndown chart. You can annotate the graph.

User story number	Description	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	As a user, I want to do t	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	As an administrator, I w	10	10	10	10	10	10	10	10	10	10	10	10	10	0	0	0
3	As a user, I want to do t	50	50	50	50	50	50	50	50	50	50	50	0	0	0	0	0
4	As a user, I want to do t	25	25	25	25	25	25	25	0	0	0	0	0	0	0	0	0
5	As a user, I want to do t	10	10	0	0	10	0	0	0	0	0	0	0	0	0	0	0
6	As a user, I want to do t	15	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	As a user, I want to do t	10	10	10	10	10	10	0	0	0	0	0	0	0	0	0	0
8	As a user, I want to do t	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	As a user, I want to do t	5	5	5	5	5	5	5	5	0	0	0	0	0	0	0	0
10	As a user, I want to do t	7	7	7	0	5	0	0	0	0	0	0	0	0	0	0	0
11	As a user, I want to do t	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0
12	Do more	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0
13	Do more	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0
	Story Points remaining	150	150	115	108	118	108	98	73	68	68	68	18	18	8	8	0
	Ideal	150	140	130	120	110	100	90	80	70	60	50	40	30	20	10	0

Total points	Days
150	15

Sprint 1 Burndown Chart

(Graph: Total Story Points (y-axis 0–160) vs Sprint days (x-axis 0–16), showing "Story Points remaining" and "Ideal" lines.)

5. **Daily team Stand-Ups (15%):**
    Evidence of a minimum of **five Daily Stand-up** meetings is required.
    - Submit **meeting minutes** of each meeting on its own Trello card under the **Documentation** column on your Trello board.
        i. A meeting minutes should include items such as, date, members present, follow up since the previous meeting, items that are discussed and agreed upon, issues or impediments identified, steps to take to resolve the issues, what the team will do before the next meeting.
    - Some of these meetings will have been held within your laboratory time and will have been observed by a teaching assistant.
    - You provide <u>photos</u> as additional evidence by including them in your meeting minutes.

6. **Team Retrospective (15%):**
    Create a <u>single</u> PDF document containing evidence of your **Sprint 1 Retrospective** meeting. Evidence can include notes, images, pictures, video links etc. Upload this document as a PDF on Trello under the **Documentation** column.

    Some questions the team could look at answering during your retrospective are:

    - What did we do well, that if we do not discuss we might forget?
    - What did we learn?
    - What should we do differently next sprint?
    - What still puzzles us?
    - (Are there any other things your team needs to reflect upon?)

Part 1A Submission

Your deliverables must be **uploaded to Trello** as stated above by *Monday 25 May (week 9) by 10:00 am*. Any changes made after this date will not be accepted for marking.

Part 1B - Team Sprint Review – Video Presentation (5%)

The objective of this Sprint 1 Sprint Review is to get a clear picture of how much work has been completed during your sprint and to see what the current state of the product will be after integrating the work that was done during Sprint 1. This is for the benefit of your stakeholder, who would like to assess how well your last sprint has progressed.

Note: you should present and use language at a level understandable by all your stakeholders, i.e., stakeholders may not be technical experts.

Tasks and Submission

1. **Each team is required to make a YouTube presentation <u>less than or equal to ten minutes</u> covering the following:**
   - Your **Sprint Goal** and **Definition of Done**.
   - Show the User Stories the team forecasted and committed to delivering and how they relate to the Sprint Goal.
     - How did the initial Sprint 1 Backlog progress?
   - Demonstrate the deliverable (**user stories**) completed from Sprint 1.
     - Show what has been completed and works. You can show screenshots of the running application or take time to show it running.
   - An updated **Sprint 1 Burndown Chart** showing progress with respect to the days and the story points completed.
     - Describe the trends in your burndown chart.
     - How did the User Stories get developed until they were determined to be "done"?
   - Discuss any problems/issues faced and lessons learnt, such as:
     - Any User Stories the team failed to complete.
     - Difference between estimated and actual times taken for User Stories
     - Any unforeseen work that had to be factored in.
     - Etc.
   - Discuss how you will be improving in the next sprint.
   - Please add a link to your presentation video as a new card under the **Documentation** column of your Trello board.
   - Note that you <u>do not have to make a super HD-quality video.</u> A clear video, recorded on your device, and uploaded to YouTube is fine.
   - Choose a well-lit, quiet room. Just make sure that **each member** of your team takes part and presents something in the video.
   - Most of all, remember that this is a practice for the real Scrum Sprint Reviews you will do out there in the real world soon, so practice your best customer-relation skills.

2. **Each team will be asked questions about their Sprint Presentation video in the laboratories during Week 10**
   - Imagine that your teaching assistants were the stakeholders who are present at your **Sprint Presentation** when your video was made. They wish to ask questions of your team at the end.
     - *Remember* – these are your <u>customers</u> who are asking the questions. They are not necessarily technical people, so think carefully how you will explain answers in simple, non-technical language.
   - Expect to have to answer three to five minutes of questions per team.

- It is a team assessment, but individually; you will **only** get marks awarded to you if you are on-time and present for that assessment.

Submission

The deadline for this task is *Monday 25 May (week 9) by 10:00 am*, submitted to YouTube. Create a card in the **Marking** column your Trello board called **Assessment 3 – Sprint Presentation**

Make the URL link to your YouTube video and put it in the **Description** section of the card.

The Sprint Review questions will occur during your laboratory time in **Week 9**. Please be there, on-time.

Part 2 - Confidential Peer Review (Individual)
No upskilling log submission for this assessment

Please submit brief, confidential peer-review of your team's performance using the Word document provided on AUT Blackboard. For each team member, write their name in the left-hand column and assess their percentage contribution to your overall team's effort during Sprint 1. You may add any additional comments in the right-hand column.

This review is not assessed but it provides an opportunity for you to raise any issues that concern you. It also helps the assessment markers to ensure that everyone's work is marked fairly for the contribution they have genuinely given to their team. Your comments should be constructive, but you may also discuss any issues you wish to bring to the attention of the teaching team.

Your comments will be treated in the strictest confidence and will not be disclosed to any other person on this course.

Part 2 Submission

Submit your Peer Review via the Turnitin link provided by *Monday 25 May (week 9) by 10:00 am*.

Marking Rubric:

Scoring Level	Standard
Excellent to Outstanding (A- to A+)	In addition to meeting requirements for the "Good" level, the submission is an exemplary piece of work, completely error-free, is of "best-practice" quality, and demonstrates a deep understanding of the subject area by the author(s).
Very Good to Good (B- to B+)	In addition to meeting requirements for the "Satisfactory" level, the submission represents a good understanding of the subject area by the author(s), is written in a structured and understandable manner, and meets most assessment criteria.
Satisfactory (C to C+)	The submission shows some understanding of the subject area by the author(s), meets a few assessment criteria, and/or the write-ups lack structure or are not easy to comprehend.
Adequate (C- or below)	The submission is adequate.
Unsatisfactory (D)	The submission fails to meet the basic requirements listed above.