# Integration Project 420-516-AB Milestone 2 [Individual / Group] (Between 12 and 15%)

Objectives: **Commence the group project using Agile Development.**

**Plan, complete and review a short sprint in class.**

Due Date: Sprint planning will take place on Oct. 22th

The sprint will take place during Weeks 9 and 10 between Oct. 22th and Nov 5th Sprint review will take place in class in Week 11 (Section 1: Nov 5th /Section 2: Nov 6th).

Sprint retrospective due by midnight on the day of the Sprint review.

Late policy 10% penalty per day (maximum 3 days, including weekends).

Attendance policy:

Active learning of competencies requires hands on learning with interactive classroom work, which requires no more than 20% absences.

Attendance is compulsory for the all project related activities. Unexcused absences for any of these activities will result in a grade of 0 for the assessment related to that activity.

## I. GROUP: Sprint Planning (2%)

You have been given the product backlog items to include in this first sprint. You must plan this sprint with your group, estimating the complexity of each item in your sprint backlog (using planning poker). Each team member must take ownership of the backlog items they will work on during this sprint and ask the product owner any relevant questions.

Each team must come up with a consensus on the definition of “done”. This is essential because each team member must fully understand and agree to this before they start working on their chosen backlog items.

**Azure DevOps:**

Each team must use Azure DevOps team accounts to keep track of their definition of “done” and the items to work on during their first sprint. Sprint planning is to take place at the start of classes in Week 9 (Oct 22th).

One person in your team, it can be the Scrum master, will create the team in Azure DevOps and add all teammates and the teacher.

Create the backlog items with the ones provided by the teacher.

## II. INDIVIDUAL: Sprint (6%) including Milestone 2-A (3%).

Each team member must work on (and complete) the user stories they chose. Compare among your teammates the best Milestone 2-A and choose the best one to include in the group sprint.

Between 4 and 6 hours are allocated for this in class during Weeks 8 and 9.

Any additional time required must be carried out in your own time between those dates.

You will be assessed for your attitude and efficiency during the sprint, effective use of time, and completion of items chosen, as well as the actual level and quality of work carried out. Don’t forget to carry out your daily scrum meeting!

**Note**: This is a team project so you must attend classes allocated to this sprint for full marks.

## III. GROUP: Sprint Review (2%)

As a group, the items developed during this sprint must be demonstrated to the product owner in class in Week 11 (Nov 5th). All backlog items completed in this sprint must be integrated into the group’s project by the time of the review. All groups must attend each other’s reviews (in order to get new ideas and see how each project is developing).

## IV. INDIVIDUAL: Sprint Retrospective (1%)

Each team member must reflect on the completed sprint and evaluate their contribution (as well as their team members) by midnight on the day of the Sprint Review (Nov 5th).

## V. Deliverables

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| Deadline | Task |
| Tuesday Oct. 21th midnight. | Individual Milestone 2-A submission on Lea. |
| Section 1: Thursday Oct. 22nd midnight  Section 2: Friday Oct. 23nd (sec 2) midnight | Team Scrum Master submits screenshot of their team sprint planning from Azure DevOps account. |
| Section 1: Thursday Nov. 5th midnight  Section 2: Friday Nov 6th midnight  – 1 hour after class start.  10% penalty if late by 1 minute. | Merge all your work in the master branch. Download it from your Git repository (Repos or Github) and **test it.** The team’s Scrum Master submits source code on Lea. |
| Section 1: Thursday Nov. 5th midnight  Section 2: Friday Nov 6th midnight  – 1 hour after class start. Attendance is mandatory. | In class demo of sprint to product owner (teacher). The grade is final after the demo, even if bugs are fixed afterwards. |
| Section 1: Thursday Nov. 5th midnight  Section 2: Friday Nov 6th midnight | Individual sprint retrospective completed and submitted |