In this part of the project your job is to define the scope of your project’s first milestone release (“milestone 1.0”) and determine what tasks your group will work on for your first iteration. Note that your group must perform 6 one-week iterations to implement your Milestone 1.0.

1. Determine how many hours of development you plan to spend per person per week (this should be between 6–9 hours for each member per week).

2. Determine a suitable initial velocity value for your group.

3. Estimate using velocity the total duration of your project in both developer days and developer hours (which may be more useful for your group).

4. Determine the stories you will implement for Milestone 1.0 of your product. These should form a coherent system release that is meaningful to your customers. (Be sure to justify the stories you selected.)

5. Create a Gantt chart for your Milestone 1.0 based on the stories and your estimates. Use either Microsoft Project or OpenProj to create your chart.

6. Each iteration should have one team lead, and each person in your group should lead at least two iterations. Pick who will be the team lead for each of your six iterations.

7. Determine the user stories you will work on for the first iteration. If any of the stories you pick do not yet have acceptance tests, you must define acceptance tests for these.

8. Break up the user stories you picked for the first iteration into tasks (not all the stories, just those selected for the first iteration). Be sure to include tasks for testing and design.

9. Estimate the tasks again using planning poker. After obtaining estimates for your tasks, you may need to readjust your scope for the first iteration (i.e., remove and/or switch some of the stories you work on for the first iteration). Be sure all estimates for the tasks of the stories you select fit within the time you have to work on the first iteration (i.e., you cannot do part of a story!).

10. Create a spreadsheet containing one row per task that includes the task description, the story associated with the task, the person or persons assigned the task, the task estimate, and the task total time (which you will leave blank until you finish the task). Note that as a group you can split up tasks however you want, including having everyone working on all tasks.

Turn in a print out of your assignment documenting each of the above parts, together with a cover sheet listing your project name, group members, the date and duration of your meetings, and the contributions of each group member. Be sure to discuss any issues your group had in completing this part of the project on your cover sheet.