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EECS 448

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Project 4 - Person Hours Estimate

I. Agile Story Points

Reference Project	"Hello World" (EECS 168)	Fibonacci Sequence (EECS 168)	JavaScript Pie Chart (EECS 368)	Polymorphism (EECS 268)	Backtracking Maze (EECS 268)	Project 3 UI (EECS448)
Point Value	1	2	3	5	8	13
Time per Point (hh:mm)	0:30	1:00	1:30	3:00	4:00	6:30
-	Video recording for presentation	Team Integration Essay (250-350 words)	Deployment Plan Essay (500-700 words)	Defect Testing and Tracking	Test suite	Debugging code
-	Develop functionality for faculty form	Misc. Documentation (i.e. final person hours, convert to PDF, etc.)	Code Review (team meeting)	Code Review Essay (500-700 words)	Finalize Login-Form	Update grades for faculty view
-	Editing of video recording for presentation	Develop functionality for admin-course form	Finalize code commenting	Maintenance Plan Essay (500-700 words)	Develop functionality for admin-admin form	Student view function
Category Total (hh:mm)	1:30	3:00	4:30	9:00	12:00	19:30

Total Hours (hh:mm): 49:30

II. Description

       Our group reused most of the Project 3 reference stories when developing the Agile story points for Project 4, based on projects or assignments in previous classes. For example, the "Hello, World!" lab in EECS 168 took about a half an hour and is a 1-point reference story. The Fibonacci sequence assignment in EECS 168 took about an hour and is a 2-point reference story. The Java Script pie chart assignment in EECS 368 took about an hour and a half and is the 3-point reference story. The polymorphism lab in EECS 268 took about three hours and is the 5-point reference story. Finally, the backtracking maze lab in EECS 268 took about five hours and serves as the 8-point reference story.

       However, rather than reusing the 13-point reference story from Project 3, we are using the Project 3 UI work (i.e. creating the WinForms used by students and teachers to access the resource management system) instead. This took about six and a half hours to complete, which will correspond with all 13-point tasks for Project 4. We then listed the 18 remaining tasks for Project 4 and divided them up among the various reference stories. Then, each task was multiplied by the amount of time specified by its corresponding reference story. Adding up the total time for each reference story resulted in a category total, which were summed to give a final project hour estimate of 49 hours and 30 minutes (or a little less than 10 hours per person)