

### Discussion

We took a total of 154.5 hours to complete Project 1, and we decided to initially place this project in the 13-story-point pool as it had been among the hardest assignments we have done. However, since this number of hours was a collective team effort, whereas most of the other assignments we will use as references were individual effort, we decided to divide 154.5 by 5, such that each part represents an individual team member's effort.  $154.5 / 5 = 31$  individual hours. Consequently,  $31 \text{ [hr]} = 13 \text{ [pt]} * t \text{ [hr/pt]}$ , so we obtain  $t = 2.5 \text{ [hr/pt]}$  approximately, per person. To estimate the total time Project 2 will take, we multiply the number of hours in its respective story-point pool by 5, since we originally divided the hours by 5.

### Results

Based on the previously shown calculations, we obtain the following story point hours:

Story Points	Estimated Time [hr]	Reference Assignments
1	2.5	1. EECS 168 Lab 1: Hello World 2. EECS 168 Lab 2: data types and operators 3. EECS 168 Lab 3: if statements
2	5	1. EECS 268 Lab 1: board games 2. EECS 268 Lab 2: stacks 3. EECS 368 Assignment 3: tabbed panels
3	7.5	1. EECS 268 Lab 7: maze walker

		2. EECS 268 Lab 3: CPU processes 3. EECS 368 Assignment 4: Haskell functions
5	12.5	1. EECS 268 Lab 4: browser interface 2. EECS 368 Assignment 7: HTTP server 3. EECS 560 Lab 3: binary trees
8	20	1. EECS 368 Assignment 5: nim 2. EECS 268 Lab 8: binary search trees part 1 3. EECS 268 Lab 9: binary search trees part 2
13	32.5	1. Project 1 2. EECS 388 Final Project: RC car 3. Robotics Project

### Clarification

While only one team member participated in the robotics project, referenced in the 13-point pool, the rest of the team agrees that the project falls under this pool based on how the participant described it and the amount of time it took.

### Conclusion

After filling out the table with these references, we decided to place Project 2 in the 8-story-point pool, because we think it will take a little less time than Project 1 due to not having to write the

program from scratch, rather just fixing the bugs, completing the missing functionalities, and adding the new feature.

As a result, we estimate that it will take  $20 * 5 = \mathbf{100 \text{ hours}}$  to complete the project, where 20 is the number of hours an 8-point assignment approximately takes for one person.