Iteration 1

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ZenHub – 4 points
2' - Used correctly in tracking progress of Tasks, Stories, and Iterations
2' - Burned down half of estimated work in Iteration 1 (i.e., the completed User Stories constitute 1/2 of the estimated effort)

https://app.zenhub.com/workspaces/cse-110-team-18-project-625f89b811672c0019432e02/board

Quality Assurance via Continuous Integration – 4 points
2' - At least 2 automated tests for above User Stories, written and passed on GitHub Actions
2' - For the above, testing of both unit(s) and Story (minimum 1 each)

Testing done for *User Story 2: Search Bar Autocomplete* (partial input search)

https://github.com/CSE-110-Spring-2022/zooseeker-cse-110-team-18/runs/6251591572?check_suite_focus=true

Calculation of Velocity – 2 points
1' - Calculate the project Velocity for the next Iteration*

Iteration 1 Stories

Stories	Initial Estimate	Status
1 - Search Animal Exhibit (Tasks 1, 2, 3, 4, and 5)	21	9/14 + (5+x)/7
4 - Add exhibitions to list (Tasks 6, 7, and 8)	9	(7+x)/9
5 - Display number of exhibits on the list (Tasks 9, 10, and 11)	4	2/2 + (0.75+x)/2
6 - Plan Creator (Tasks 12, 13, and 14)	18	(3.5+x)/18
Total	52	11/16 + (16.25+x)/36

- **"*x*" stands for the unknown estimated time to finish up an incomplete task.**

Milestone 1 Tasks

Task	Initial Estimate	Actual Time Taken
1 - Creating a database to store all the data about the animals (**Complete**)	6	3
2 - Creating a search bar	3	3
3 - Implement the functionality to look up data using the input from the search bar (**In Progress**)	3	3 + x
4 - Support partial input search (**Complete**)	5	3
5 - Implement a UI to display the search results **(in progress)**	4	2 + x
6 - Implement an UI for the list **(in progress)**	3	2 + x
7 - Implement the functionality to select the displayed exhibitions (**In Progress**) - UI implementation	3	1 + x
8 - Implement the functionality to add/remove the selected exhibitions (**In Progress**) - Implement UI corresponding functionalities/behaviors	3	4 + x
9 - Implement a button that allows the user to see the list (**Completed**)	2	2
10 - Somewhere near the button, a number with the amount of exhibits on the list **(in progress)**	1	0.5 + x
11 - If the list is open, at the top the number of exhibits on the list should be created **(in progress)**	1	0.25 + x
12 - Implement a UI for the text plan with a direction button ready to be used later **(in progress)**	6	1 + x
13 - Implement the geographic functionality to look up data about how far each **(in progress)**	8	2 + x
14 - Implement the functionality that the exhibits are ordered from closest to the farthest location from the user's location **(in progress)**	4	0.5 + x
Total	52	27.25 + x

- **"*x*" stands for the unknown estimated time to finish up an incomplete task.**

Since most of our tasks are incomplete for now, we will be calculating the velocity using teammates who completed the tasks. For now, only Bill and Zoe have completed their assigned

tasks. Bill spent **6 hours** to complete his tasks that were estimated for a total of **9 hours**. Zoe spent **5 hours** to complete her tasks that were estimated for a total of **5 hours**. Using the velocity formula, *actual hours / estimated hours*, we can calculate the velocity to be **(5+6) / (9+5) = 0.78**.

For our next iteration, we will set our **velocity** to **0.78**.

Many of us were unable to complete our tasks in time for the check-in, which we figured was due to poor estimations, unfamiliarity with the tasks, and busy schedules due to midterms. We plan to meet more frequently before our next iteration to better understand what our current progress on tasks is like and also check in with each other to see if we may need to collaborate on tasks/reassign them. Our current assessment is that tasks associated with user story 4 and 5 are only slightly behind while user story 6 is significantly farther behind. As such we will dedicate more time towards completing tasks 12,13,14.

1' - Re-plan appropriately and state the plan*

We noticed that most of our team are struggling with our current tasks, so we decided to increase our estimates for all leftover tasks by 1 hour for a more accurate overall estimate.

Milestone 1 Tasks (New Estimates)

Task	Initial Estimate	Updated Estimate
1 - Creating a database to store all the data about the animals	6	Completed (6)
2 - Creating a search bar	3	Completed (3)
3 - Implement the functionality to look up data using the input from the search bar	3	4
4 - Support partial input search	5	Completed (5)
5 - Implement a UI to display the search results **(in progress)**	4	5
6 - Implement an UI for the list **(in progress)**	3	4
7 - Implement the functionality to select the displayed exhibitions (**In Progress**) - UI implementation	3	4
8 - Implement the functionality to add/remove the selected exhibitions (**In Progress**) - Implement UI corresponding functionalities/behaviors	3	4
9 - Implement a button that allows the user to see	2	Completed (2)

Task	Initial Estimate	Updated Estimate
the list		
10 - Somewhere near the button, a number with the amount of exhibits on the list **(in progress)**	1	2
11 - If the list is open, at the top the number of exhibits on the list should be created **(in progress)**	1	2
12 - Implement a UI for the text plan with a direction button ready to be used later **(in progress)**	6	7
13 - Implement the geographic functionality to look up data about how far each **(in progress)**	8	9
14 - Implement the functionality that the exhibits are ordered from closest to the farthest location from the user's location **(in progress)**	4	5
Total	52	46 (63 including completed)

Our updated estimates show that we will need to spend 46 hours to finish everything else, not counting the hours that we have already put in.