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Group Meetings

9/12 - Recitation | Members Present: X, Y, Z, W, Q

This is the first meeting of the group. The group worked through and discussed practice problems related to linked lists. An approach of working individually on questions and then comparing solutions and strategies was used. This way, each team member was able to practice the concepts individually, but it also allowed for collaboration and for members to clarify confusion for other members. The team was able to work through most of the problems, however not all could be worked through in the recitation time. In general, the team came to a consensus on the solutions of these problems and no issues arose.

9/19 - Recitation | Members Present: X, Y, Z, W, Q

The group discussed recursion practice problems. The same approach applied in the previous meeting was used where team members worked individually then compared solutions. However, team members generally struggled more with these recursion problems than they did with the previous linked list problems. Members of the group found more challenge in starting the problems on their own, so a more collaborative approach was required to discuss the best way to solve the problems recursively. Recursion was a new and challenging concept, so some members were not ready to apply it in problem-solving. Overall, the group felt more confident with recursive problem-solving after the practice in recitation.

9/26- Recitation | Members Present: Donny, Jose, Ben, Sofia, Caleb

The group discussed potential strategies for completing the Sky Islands Kattis problem. Team member Jose Luna joined the group. As was the case with the previous recitation, the recursive problem-solving presented challenges with some of the group members. The team spent most of the time reading and explaining the directions, discussing the necessary data structures (such as a 2D "boolean" array for island

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connections), and abstractly strategizing about potential algorithms to solve the issue. At the end of recitation, the group had a solid understanding of the problem and a general idea of some ways to solve it. However, the specific implementation of the assignment was left to each group member to work on individually.

10/3 - Recitation | Members Present: X, Y, Z, W, Q

The team went through Exam 1 practice problems. The group used the same approach of working individually on problems and then discussing collaboratively after. The types of problems that the group struggled the most with were recurrences (as we had not yet covered this content), recursion, and summations. The group was able to get through several questions, however many were left unexplored due to time constraints.

10/10 - Recitation | Members Present: X, Y, Z, W, Q, R

The team continued working on the unfinished exam practice problems from the previous recitation. The group's focus was on infix-to-postfix expressions and recursion. The group collaboratively walked through the algorithm of converting an infix expression to postfix expression and analyzed solutions to the recursive problems attempted in the previous meeting. The team also discussed data structures such as queues and circular linked lists. The team planned out concepts to cover for their first out-of-class meeting.

10/10 - Meeting | Members Present: X, Y, Z, W, Q, R

The team met directly after the scheduled recitation time, continuing their discussions on concepts reviewed in recitation. The team spent a portion of the time finishing their practice problems on infix-to-

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postfix and recursion that were started in recitations. The team spent a significant amount of time working on the recurrence relations practice problems. They also explored other concepts like summations and algorithm analysis in depth. Some members had some challenges in certain recurrence practice problems, however other members of the team were able to alleviate this confusion. The collaborative problem-solving deepened the understanding of the concepts for all of the members.