

Bidirectional Search That Is Guaranteed to Meet in the Middle

By:

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Meeting 1:

Scribe: Vishal Jaimin Vakil

Meeting Date: 27th October 2022

Meeting Attendance: Aman, Vishal, Sandeep, Appari were present

Expectation from each team member: To introduce yourself to other team members. Also to have a rough idea about the topic. (Each one was expected to have gone through the listed paper: "Bidirectional Search That Is Guaranteed to Meet in the Middle", Robert C. Holte, Ariel Felner, Guni Sharon, Nathan R. Sturtevant, AAAI 2016.)

Inputs from each team member:

- Vishal - Introduced himself and was able to explain the search algorithms in pacman path-finding problems.
- Aman - Introduced himself and was able to explain the concept of forward and backward search.
- Appari - Introduced himself and was able to explain the project topic and the expectations of the project.
- Sandeep - Introduced himself and was able to brief everyone about the paper and the contents of the paper.

Agenda of the meeting: To get started with the project and understand the problem statement.

Completed tasks: We first took inputs from each team member regarding the topics required for the project like search algorithms, bidirectional search, etc. We collectively understood the problem statement which asked to implement the bidirectional search in pacman domain for path-finding problems. The algorithm is described in paper: "Bidirectional Search That Is Guaranteed to Meet in the Middle", Robert C. Holte, Ariel Felner, Guni Sharon, Nathan R. Sturtevant, AAAI 2016. We then divided the whole project into milestones so that we can meet the goal of the project.

Task progress:

Milestone 1: Getting started with the Project (Understanding of the topic and project requirements.) - 100% complete.

Milestone 2: Literature Survey (Gaining deeper knowledge about the tasks that needs to be done in this project.) - 0%

Milestone 3: Developing the code for Bidirectional search implementation - 0% complete.

Milestone 4: T-testing - 0% complete.

Next meeting date: 3rd November 2022

Next Meeting agenda: Literature survey and discussion.