☀️ Week 1

📅 Date

Sep 9, 2023

👥 Participants

- @My Nguyen
- @Xinyue Chen
- @Yutong Feng
- @Chen Fengyun
- @Junyi Ma

🥅 Goals

Set team structure and brainstorm project proposal

- Structure and Logistics:
  - Team Name :D
  - Decide which project management platform we want to use. 2 notable options I have in mind are Jira or GitHub Project.
  - Meeting cadence and standups
  - Team roles
  - Product planning
  - Setup GitHub, CI/CD and mini "Deployment" framework. Since no real deployment would happen, this just means how we're gonna agree on merging stratergy and peer reviews
  - Documentation hosting platform. We might just use Google Drive at the end :). A lot of companies however use Confluence, if you want to try out also that could be an option.
- Project proposal:
  - Before coming to meeting, each of us might want to come up with an idea, and tech stack we want to use. As a reminder, we sort of agree on using Java.
  - Drafting project proposal

🗣️ Discussion topics

Time	Item	Presenter	Notes
	Our Product	@My Nguyen	4 Options were proposed: 1. LMS WebApp: - Features: take attendance, post question / forums, post assignments, some GEO location enabled, find student near me, (ref: BlackBoard) - Client: our professor - Tech Stack: ReactJs, Material UI, Bootstrap, Backend Java Spring-Boot backend 2. Shipping Rate Calculator WebApp: - Obj: allow people to calculate shipping cost based on distance.

- Feature:
  - compare shipping rates across vendors (UPS, DHL, etc),
  - GEO location enabled,
  - have form collect item weights, address, sender info, etc
  - an API allowing other app to call to our service.
- Tech Stack: ReactJs, Material UI, Bootstrap, Java Spring-Boot backend

  - 3. Algorithm Visualizer (WebApp): (Plan A)
    - Obj: implement visualization for common Algorithm
    - Features:
      - Implement 4 - 5 algorithm (Heap, Djikstra, or some Path finding)
      - Allow user to variate inputs
      - Allow user to step each iteration and visualize the state of data structure / solution space
    - Tech stack: javaFx / Java Swing (GUI)

  - 4. Classic Game: 1 1 (Plan B)

	Product Name	@My Nguyen	(Proudly sponsored by ChatGPT) AlgoShadow
	Other Items		Check Decisions below for all other setup that was agreed on

✅ Action items

- ☑ @My Nguyen to complete project proposal with important details about Team product, documentation page and planning
- ☑ @My Nguyen to setup Jira board, Confluence page and Github
- ☐ Everyone else to start brainstorming for our product features for next week design meeting

🔀 Decisions

⅄ Our Project name would be Algo Shadow, an Algorithm Visualizer

⅄ Project Documentation Platform is (obviously 😄) Confluence

⅄ Project Management Platform is Jira

⅄ Our GitHub Repository algo-shadow

⅄ Our Meeting Platform will be Discord, currently regular meeting cadence is set at once per week, on Saturday 2pm EST