

# Milestone 1

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## Tasks

1. **Problem Definition** (you can learn more about it [here](#))
2. **Finalizing roles** [here](#)
3. **Schedule a call/meeting** with me and Artur
4. **Create a product roadmap** and prioritized functionality (items)
5. **Create a virtual environment** in the above repo and generate `requirements.txt` (ensure `venv` is ignored in git):
  - Create venv: `python -m venv venv`
  - Activate: `source venv/bin/activate`
  - Install: `fastapi`
  - Create requirements file: `pip freeze > requirements.txt`
  - Deactivate: `deactivate`
6. **Push:**
  - `Problem Definition`
  - GitHub repo setup (`readme.md` and `.gitignore`)
  - `requirements.txt`
7. **Prototype the UI** using *Figma* or another similar tool
8. **Create a private Slack channel** in our Workspace and name it `Group {number}`

## Feedback

### Problem Definition | 40 points

The problem is defined correctly, and the structure is kept.

- Broad Area of Interest
- Preliminary Research
  - Current Trends
  - Opportunities
- Solution with Methodology
  - Data Collection
  - Analytical Techniques (**as discussed, in order to make real time recommendations/testing, we need to use bayesian a/b testing. Thus, hypothesis testing etc...**)
  - Implementation Plan
- Expected Outcomes
- Evaluation Metrics

Note, you are going to use the **Thompson Sampling** for that and everytime after the website refresh the algorithm is going to provide new scores.

Grade: 35/40

### Roadmap | 30 points

The roadmap seems realistic, considering that you are going to include the **Thompson sampling** part

Grade: 30/30

UI | 20 Points

Perfect landing!

Make sure the elements of the **Horizontal Scroll Carousel** to be clickable.

Grade: 20/20

Administrative Tasks | 5 points

- Roles are assigned
- Preliminary discussion with me was done
- Slack channel is created
- **GitHub Repo:** I liked the AI-generated readme file

Grade: 5/5

Technical Tasks | 5 points

- Proper **.gitignore** file
- The **Requirments.txt** file is available with pre-installed packages, indicating that venv was created

Grade: 5/5

Total Grade Breakdown

- **Problem Definition:** 35/40
- **Roadmap:** 30/30
- **UI:** 20/20
- **Administrative Tasks:** 5/5
- **Technical Tasks:** 5/5

Grade: 95/100