



CS Capstone EOI 2025

Using Mindomo, teams analyze the EOI of the project, and, together, organize the Capstone Project, identify stakeholders for the proposed system, brainstorm and elicit the business requirements, identify and propose functional areas of the system to be developed and discuss risks associated with the project that must be managed. Teams prepare for the development of the project by setting up required management and development tools.

Feel free to change the mind-map template to customize the ideation space to something that is inspiring to the team.

Stakeholders

- Identify and analyze the various stakeholders involved in or affected by the problem.
- Consider their perspectives, needs, and potential contributions to a solution.

Hikers, Campers, and other outdoors enthusiasts

Identify the stakeholder name (not a person's name but a role)

Important Features

Identify important features of the app that would help in solving the identified real-world problem

CS Capstone Requirments

Identify how the capstone satisfies the requirements of your specialization. Refer to Slate to identify the specific requirements of your specialization capstone.

Project Impact

- Evaluate the magnitude of the problem and its impact on individuals, communities, or systems.
- Assess the urgency of finding a solution based on the severity of the issue.

Project Feasibility

- Explore the feasibility of existing solutions and their practicality in addressing the identified problem.

- Consider economic, technical, and social feasibility aspects.

Motivations

What is the motivation behind proposing this particular problem to be solved? Describe why is this a significant problem that is worth solving? If there are current solutions to the problem-solving objective are the gaps between current solutions and what we are proposing significant and worthwhile?

Project Domain

Describe the domain in which the real-world problem manifests itself and perform preliminary research to determine the impact and the severity of the problem you are intending on solving.

Problem-Solving Objective

Brainstorm about the real-world problem you are interested in solving.

- What is the problem you have identified?
- Has this problem already been addressed either fully or in part? If yes, why do the current solutions need improvement? What are the gaps that remain unsolved?

This project aims to solve several challenges faces by hikers, campers, and other outdoors enthusiasts. These challenges include navigation, communication, resource management, planning, safety and coordination.

Identify a real-world problem that interests you and has significant consequences.

While other solutions exist in the market, such as AllTrails for navigation and trail sharing, it doesn't have the same group-specific features that my idea offers.

- Analyze current solutions and their gaps that leave the problem partially or inadequately addressed.
- Identify areas where improvements or innovations are needed.

Other solutions are specialized for specific tasks and focused more on supporting a single hiker/camper. My vision for this product is an all-in-one app for trips into the wilderness, optimized for collaboration and planning in a group environment.

- Dig deeper to identify the root causes of the problem.
- Understanding the underlying issues helps in formulating more effective solutions.