

# Stakeholder Analysis: DevOps Graduation Project

This document identifies and analyzes the key stakeholders involved in the DevOps Graduation Project — a high-availability shopping website. It outlines their interests, influence, expectations, and the communication strategies required to ensure project success.

## 1. Purpose of Stakeholder Analysis

The purpose of this stakeholder analysis is to ensure that all individuals and groups who have an interest in or can impact the project are properly identified and managed. Understanding their influence and expectations will help maintain clear communication, align goals, and mitigate risks.

## 2. Stakeholder Identification

The following stakeholders have been identified for this project:

Stakeholder	Role / Interest
Project Manager	Responsible for overall planning, coordination, and ensuring timely delivery.
Frontend Developers	Develop the web user interface using React.js or Node.js.
Backend Developers	Build backend microservices using FastAPI and integrate with MySQL database.
DevOps Engineers	Implement CI/CD pipelines, manage Docker and Kubernetes deployments on AWS.
Training Instructor / Mentor	Provide guidance, assess progress, and ensure learning objectives are achieved.
End Users / Demonstration Audience	Interact with the shopping platform during project presentation and provide feedback.
Team Members (Peers)	Collaborate on development tasks, testing, and documentation.

## 3. Stakeholder Influence and Interest Matrix

The table below categorizes stakeholders based on their level of influence and interest in the project. This helps prioritize engagement and communication strategies.

Stakeholder	Influence Level	Interest Level
Project Manager	High	High
Frontend Developers	Medium	High
Backend Developers	Medium	High
DevOps Engineers	High	High
Training Instructor / Mentor	High	Medium
End Users / Demonstration Audience	Low	Medium
Team Members (Peers)	Medium	High

#### 4. Communication Plan

Effective communication ensures that all stakeholders are informed and engaged throughout the project lifecycle.

Stakeholder Group	Communication Method	Frequency
Project Manager	Weekly meetings, progress reports	Weekly
Frontend & Backend Teams	Daily stand-ups, GitHub issues, Slack/Teams chat	Daily
DevOps Engineers	Technical syncs, GitHub Actions notifications	Twice a week
Training Instructor / Mentor	Review meetings, milestone updates	Bi-weekly
End Users / Demonstration Audience	Final presentation and demo feedback	End of project

#### 5. Stakeholder Engagement Strategy

- **\*\*Keep Satisfied (High Influence, Low Interest):\*\*** Training Instructor — provide milestone summaries and major updates.
- **\*\*Manage Closely (High Influence, High Interest):\*\*** Project Manager and DevOps Engineers — involve in all critical decisions.
- **\*\*Keep Informed (Low Influence, High Interest):\*\*** Frontend and Backend Developers — maintain daily communication and feedback.
- **\*\*Monitor (Low Influence, Low Interest):\*\*** End Users — engage during final demonstration for feedback collection.

#### 6. Conclusion

This stakeholder analysis will guide effective communication and collaboration across all project members, ensuring alignment, timely delivery, and achievement of the project's DevOps learning

objectives.