

# ISTANBUL TECHNICAL UNIVERSITY

## Project Management in Engineering



**İrem Öztürk 150170100**

**Fatima Rahimova 150180905**

Selin Metin Doğu  
Spring 2021

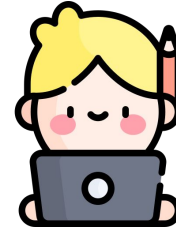
**Greta Isaraj 150180924**

**Aleksja Braka 150160916**

# Always in Style!

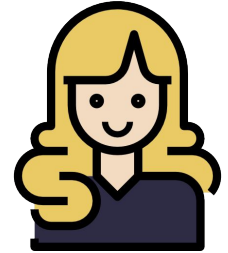


*Shopping is an activity that many people who follow fashion often do to meet their clothing needs.*

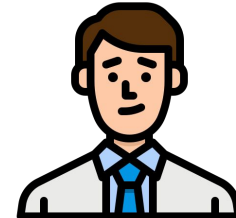


*"Happiness is not in money, but in shopping"*

*-Marilyn Monroe*



*People love to wear clothes that are trendy, look good and feel comfortable.*



# Online Shopping Platform



Feel like you are in a real  
store without leaving home

*See the quality of the clothes you like  
before buying them and try them out  
without leaving the home as real*



Access to all products of almost all stores  
from all over the world with SuitUP! 7/24

# Project Goals



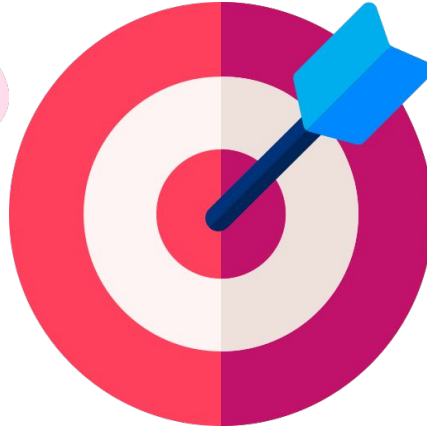
*Mobile applications*



*Access from all over  
the world*



*Shop all you need at  
any time, wherever you  
want*



*Web platform*



# Objectives



***User-friendly interface***



***Constantly updated design  
according to the requirements of the  
users***



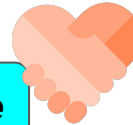
***To provide convenience to  
people's daily life***



***Continuous live chat section***



***Facilitate work of business and people***



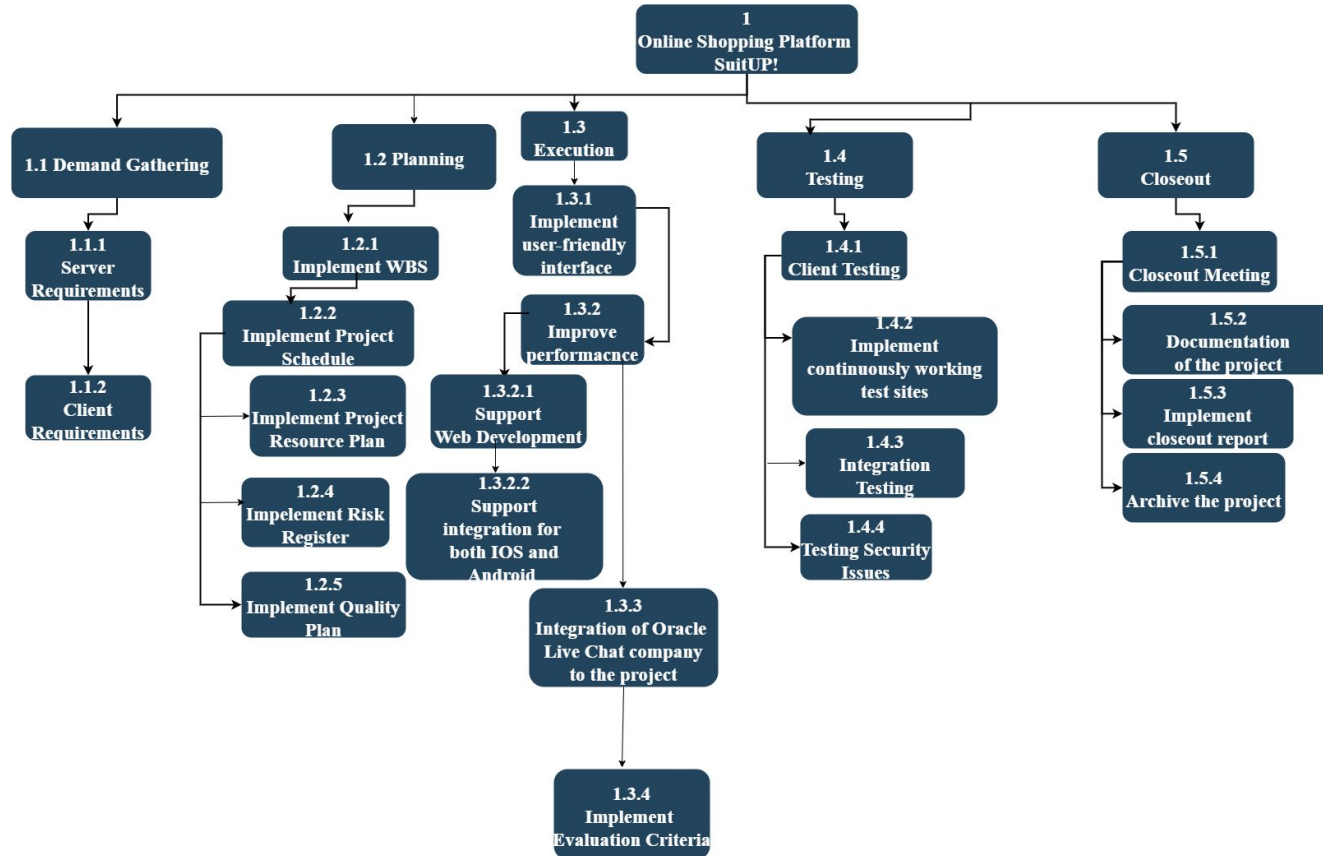
# Project Management Approach

- ▲ Agile Approach
- ▲ **SPRINT:** 2 weeks

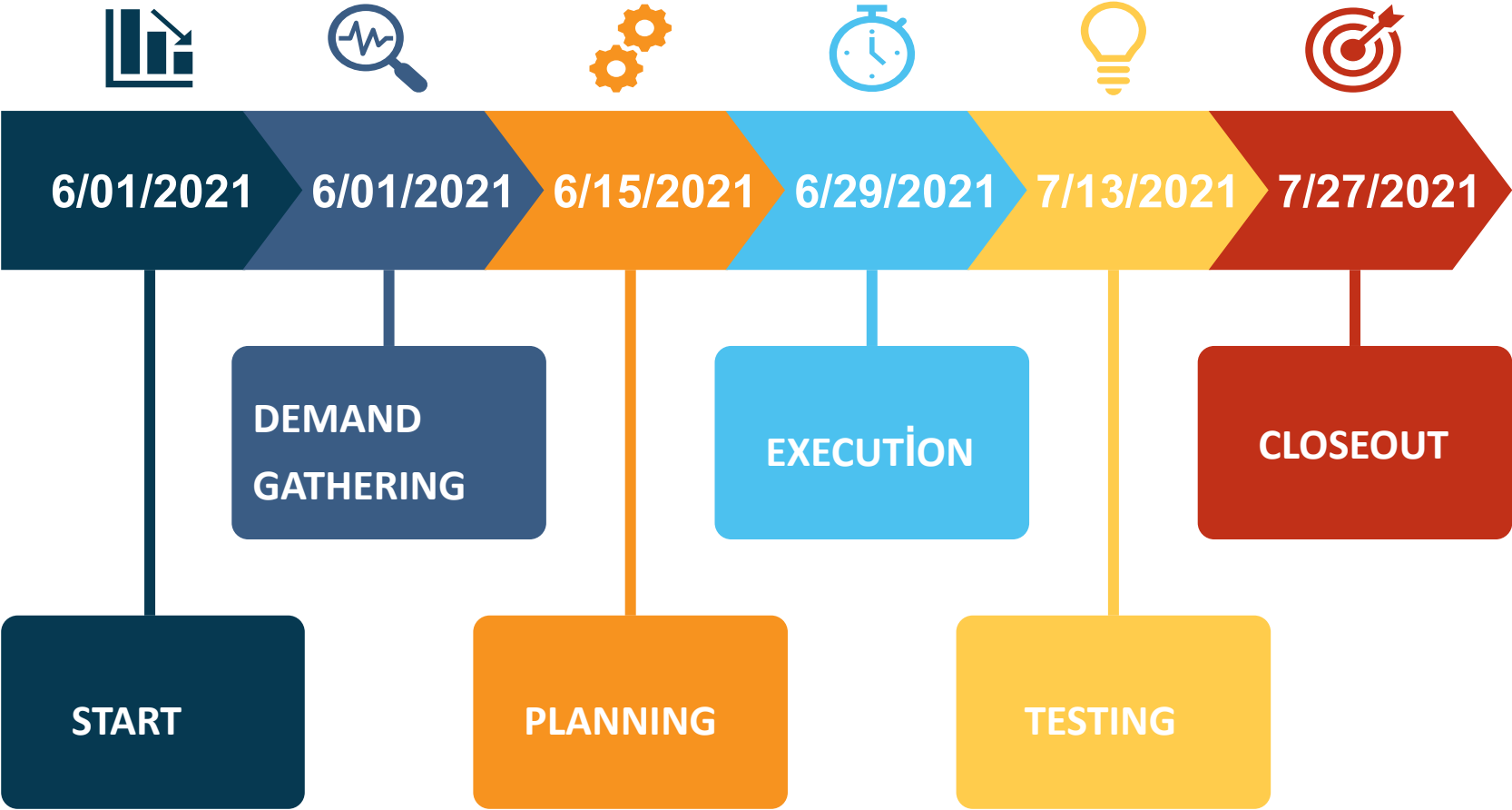
Not only does Agile provide faster software development life cycle, but it is also customer focused. Customer satisfaction is our main goal, and in our case especially, their feedback is important. Agile also provides flexible change acceptance.



# Project Work Breakdown Structure

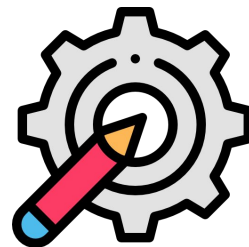


# Project Time Schedule





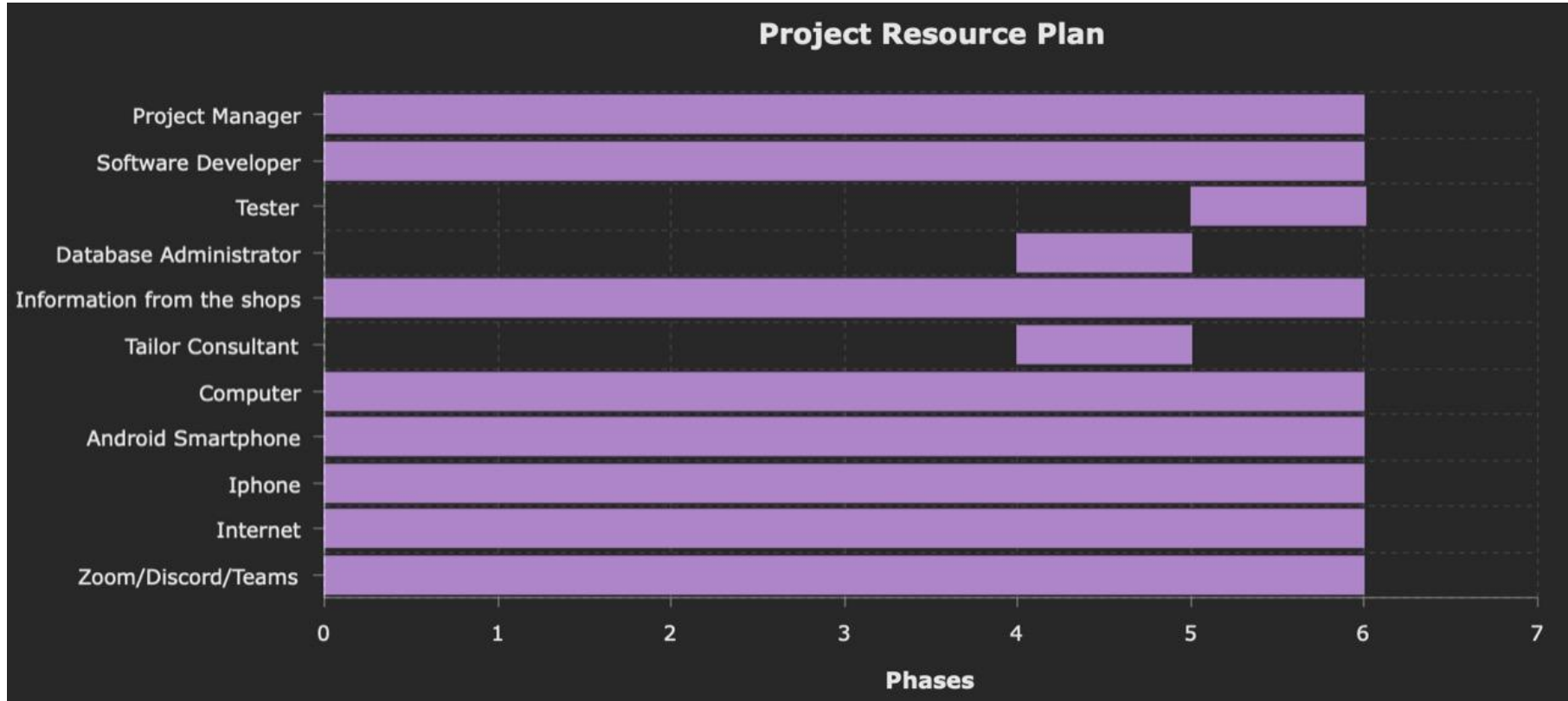
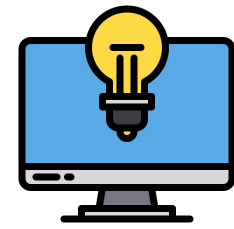
# Project Resource Plan



## Project Resource Plan

RESOURCE	Amount	STATUS	START DATE	END DATE	Phases
Project Manager	1	Complete	06.01	08.09	All Phases
Software Developer	3	Completed	06.01	08.09	All Phases
Tester	2	Completed	07.13	07.26	Testing
Database Administrator	2	Completed	06.29	07.12	Execution
Information from the shops	Depends on how many shops	Incomplete	06.01	08.09	All Phases
Tailor Consultant	1	Incomplete	06.29	07.12	Execution
Computer	1	Completed	06.01	08.09	All Phases
Android Smartphone	1	Completed	06.01	08.09	All Phases
Iphone	1	Completed	06.01	08.09	All Phases
Internet	1	Completed	06.01	08.09	All Phases
Zoom/Discord/Teams	1	Completed	06.01	08.09	All Phases

# Project Resource Plan



# Risk Register

## 1. Organizational or External Risks



Risk Description	Likelihood of the risk occurring	Impact if the risk occurs	Owner	Mitigating action	Contingent action
Insufficient budget.	Medium	High	Financial Manager	Wise use of the project budget. Reporting of costs.	To ask for help to the sponsors.
Personal situations may occur.	Low	High	Leaders of the team	Requesting information from team members regularly	Recruiting a new candidate.
The budget for the project can be restricted because of external risks	Low	High	Financial Manager	Agreements with the sponsors about the budget's longevity.	Convincing the executive management team to prioritize this plan.
The live chat section of the app may not work efficiently.	Medium	High	Developing Team	Signing a contract with the best company that provides live chat.	To ask for help to the <u>relevant</u> company.
Contractor delays	Medium	High	Project Manager	Build in and protect lead time in the schedule. Communicate schedule early. Check in with suppliers regularly. Query '90% done'.	Escalate to Project Sponsor and Contracts Manager.

# Risk Register

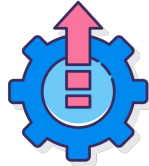
## 2. Technical Risks



Risk Description	Likelihood of the risk occurring	Impact if the risk occurs	Owner	Mitigating action	Contingent action
Some features of the app do not fit different phone models	High	Medium	Front end Developing Team	Regularly checking the documentation of the <u>front end</u> developers.	Determine bugs and writing new code scripts that will fit with different phone models.
Instead of being user friendly, the interface can become complex.	Low	Medium	Front end Developing Team	Continuous interaction with the front end and tester teams.	Highly experienced developers in implementing useful designs should be consulted.
<u>Cyber attacks</u> on the application can be arranged by hackers	Medium	High	Security team	By training cyber security staff and ensuring endpoint protection regularly.	The cyber security police have been notified as it should be. Assessing the extent of the project's loss.
The live chat software cannot be embedded into the mobile app	Medium	Medium	Support team. Developing team.	Questioning to the live chat company about the problem.	Determining the issues and try to fix them.

# Risk Register

## 3. Project Management Risks



Risk Description	Likelihood of the risk occurring	Impact if the risk occurs	Owner	Mitigating action	Contingent action
The project cannot be completed in a systematic manner.	High	High	Leaders of Teams of the project and Project Manager	Regularly updates from the project teams. Issuing the necessary alerts to finish the task on time.	To encourage workers to complete their jobs without any delay.
Project purpose and need is not well-defined	Medium	High	Project Sponsor and Project Manager	Complete a business case and ensure purpose is well defined on Project Charter and PID.	Escalate to the Project Board with an assessment of the risk of runaway costs/never-ending project
Project schedule is not clearly defined	Low	Medium	Project Manager	Hold scheduling workshops with the project team so they understand the plan.	Escalate to the Project Sponsor and bring in back up resources.
No control over staff priorities	Medium	Medium	Project Manager and Team Leaders	The Project Sponsor will brief team managers on the importance of the project. Soft book resources. Communicate final booking dates after the scheduling workshops. Identify backups for each human resource.	Escalate to the Project Sponsor and bring in back up resources.

# Defect Management Cycle

Reducing the likelihood of errors as far as possible

01

Bugs are detected in testing stage of WBS

02

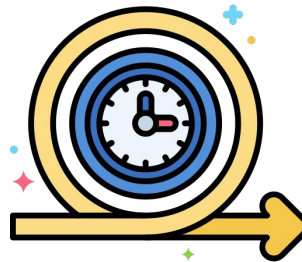
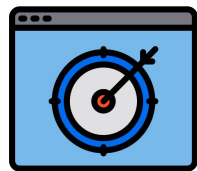
Defects are prioritized based on triage meetings and criterias

03

Bugs are fixed according to schedule

04

Resolution is reported and the testing team verifies that the defects actually resolved(closed)



***Thank you for your attention!***

