PROJECT MANAGEMENT SYSTEM FOR FINAL YEAR STUDENTS

SRS Document

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Stakeholder

X _____

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Change History:

VERSION	DATE	AUTHOR	CHANGES MADE
3.0	3/15/2025	Haleema Sadia	Initial Draft
3.1	3/16/2025	Haleema Sadia	Edit, Review Document and Add Member 2 and Member 3 tasks.

Preface:

This document outlines the project SRS for the development of a Project Management System for the Department of Computer Science at Quaid-i-Azam University.
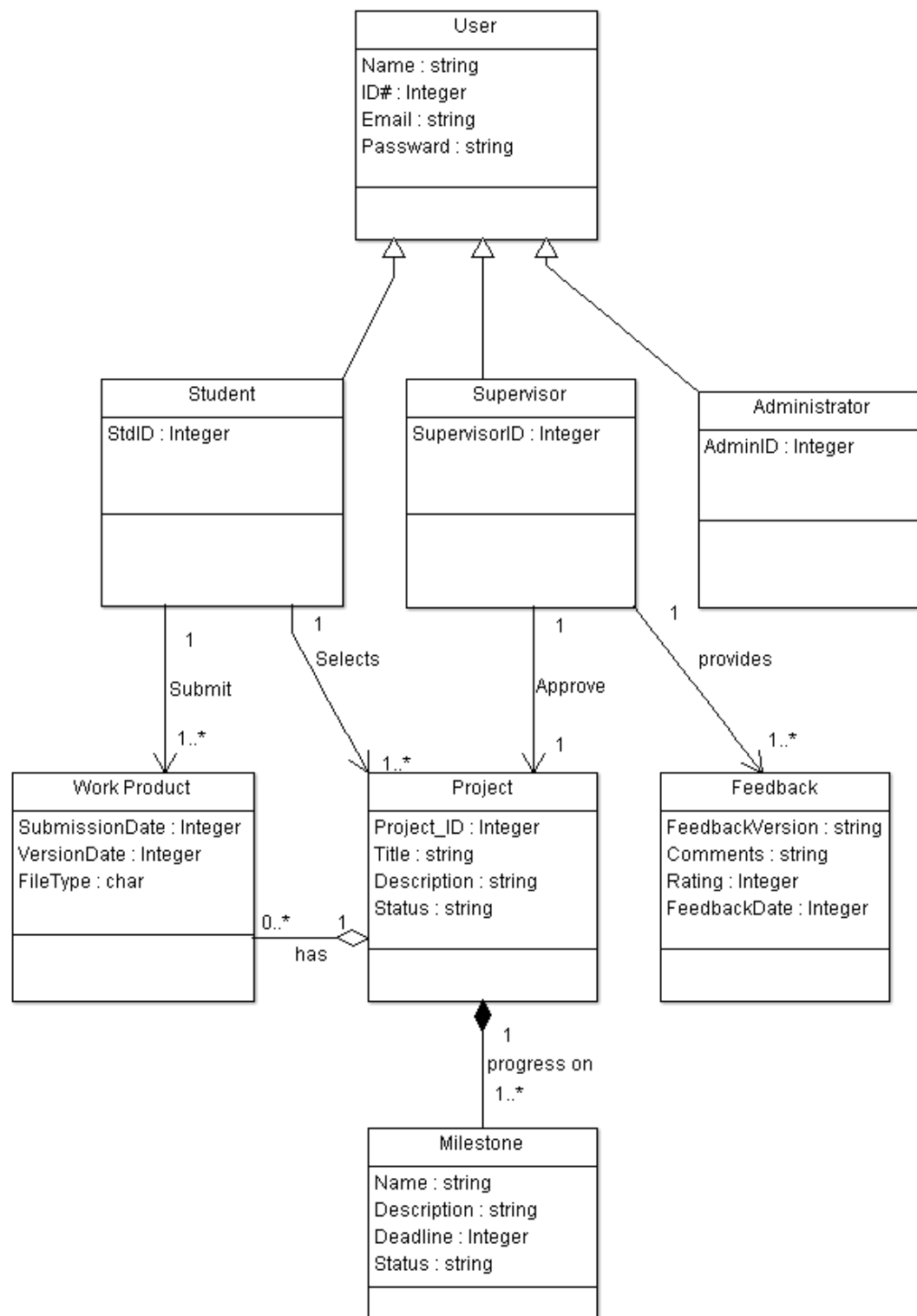
Table of Contents:

Specific Requirement:

List of figures:

<u>DOMAIN MODEL:</u>

User

Name : string
ID# : Integer
Email : string
Passward : string

Student

StdID : Integer

Supervisor

SupervisorID : Integer

Administrator

AdminID : Integer

1
Submit
1..*

1
Selects
1..*

1
Approve
1

1
provides
1..*

Work Product

SubmissionDate : Integer
VersionDate : Integer
FileType : char

Project

Project_ID : Integer
Title : string
Description : string
Status : string

Feedback

FeedbackVersion : string
Comments : string
Rating : Integer
FeedbackDate : Integer

0..*   1
has

1
progress on
1..*

Milestone

Name : string
Description : string
Deadline : Integer
Status : string

Use Case Description:

BY: SAFEENA AKHTER

UC4: Submit Work Product

Primary Actor:

- o Student

Pre-Conditions:

- o The student must be logged into the system.
- o The student must have an assigned project with submission access.

Post-Conditions:

- o The system stores the submitted file without uploading errors and makes it accessible to the supervisor for review.

Input:

- o File Upload (PDF, DOCX,ZIP)

Output:

- o Confirmation message for successful submission.

Main Success Scenario:

1. The student navigates to "Submit Work" in the system.

2. The student selects their assigned project.

3. The student uploads the required file(Work product).

4. The system verifies the file format to ensure it is an allowed format (PDF, DOCX, ZIP).

5. The system stores the submission in the database.

6. The student receives a confirmation message stating that the work product document has been submitted and stored in the system.

Alternative Scenarios:

1. **Invalid File Format:**

    - o The system detects an unsupported file format.

    - o The system displays an error message: "Invalid file format. Please upload a PDF, DOCX or ZIP."

    - o The student is prompted to re-upload a valid file.

2. **Internet Failure During Upload:**

  - o The system detects an interrupted connection.

  - o The system saves the upload progress.

  - o Once the internet is restored, the system prompts the student to resume the upload instead of restarting.

BY:HALEEMA SADIA

UC5: Receive Feedback

Primary Actor:

  - o Student

Pre-Conditions:

  - o The student is logged into the system.

o The student has already submitted work product for review.
o The supervisor has provided feedback on the submitted work.

Post-Conditions:

o The student views the feedback provided by the supervisor.
o The feedback is stored in the system for future reference.

Input:

o None

Output:

o Displayed feedback text or attached review file.

Main Success Scenario:

1. The student logs into the system.
2. The student navigates to the "Feedback" section.
3. The system retrieves the feedback stored for the student.
4. The system displays the feedback provided by the supervisor
5. The student reviews the feedback and can use it for project improvements.

Alternative Scenario:

No Feedback Available

o If the supervisor has not provided feedback, then system displays: *"Please check back later."*

System Failure While Loading Feedback

o If the feedback fails to load, the student receives an error message: "An error occurred. Please try again later."

BY:MASOOMA MUHAMMADI

UC7: Select Project

Primary Actors:

o Student

o Supervisor

Pre-Conditions:

o The student must be logged in to the system.
o The student must have access to a list of available projects.
o Projects must be available or open for selection.

Post-Conditions:

- o   The student's selection is recorded in the system.
- o   The supervisor is notified about the student's project selection.

Input:

- o   The student selects a project from the available list.

Output:

- o   A confirmation of the student's project selection.
- o   The status of the project is updated to "Selected" in the system.

Main Success Scenario :

1.   The student opens the "Select Project" section.

2.   The system shows the student a list of available projects.

3.   The student looks through the list of available projects.

4.   The student picks a project they are interested in.

5.   The system confirms the student's selection and updates project's status.

6.   The supervisor is notified that the student has selected the project.

Alternative Scenarios:

1.   **No Projects Available:**

- o   If there are no projects available for selection, the system will display a message saying that no projects are available now.

2.   **Project Already Selected:**

- o   If the student tries to select a project that has already been taken by another student,   the system will inform them and prompt them to choose another project.
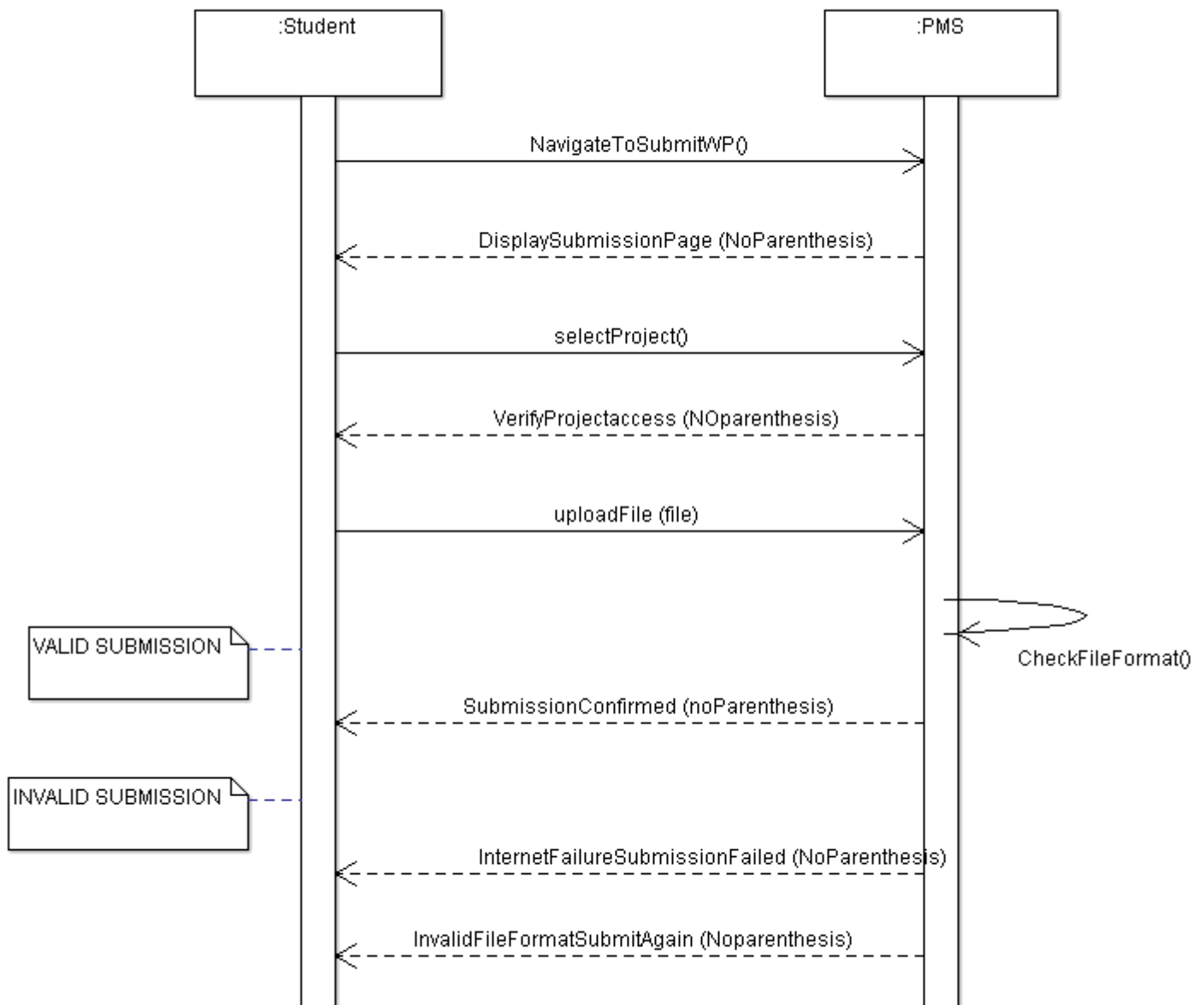
3.   **System Failure:**

- o   If there is a problem with the system displaying available projects, the student will be asked to try again later or contact support.
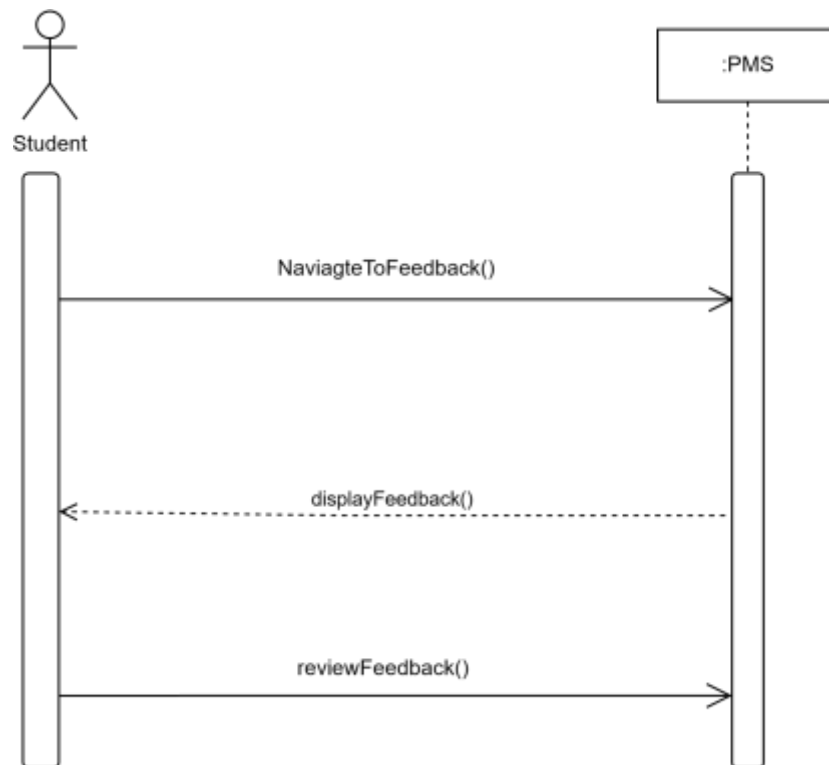
<u>Sequence Diagram:</u>

<u>BY: SAFEENA AKHTAR</u>

UC4: Submit Work Product

BY: HALEEMA SADIA

UC5: Receive Feedback

BY: MASOOMA MUHAMMADI

UC7: Select Project

UC7: Select Project