

# Zohaib - Use Cases Documentation

**Member: Zohaib**

**Assigned Use Cases:** Submit Proposal, Manage Project

UC-04: Submit Proposal:

Attribute	Description
Use Case ID	UC-04
Use Case Name	Submit Proposal
Actor	Student
Description	Student submits FYP project proposal for approval by coordinator
Preconditions	Student is logged in, Student is eligible for FYP, Proposal submission is open
Postconditions	Proposal is submitted, Coordinator is notified, Proposal status is "Under Review"
Priority	High
Frequency of Use	Once per student per semester
Normal Flow	<ol style="list-style-type: none"><li>1. Student navigates to proposal submission page</li><li>2. System displays proposal form</li><li>3. Student enters project title</li><li>4. Student writes project abstract (200-300 words)</li><li>5. Student defines project objectives</li><li>6. Student describes methodology</li><li>7. Student lists required resources</li><li>8. Student uploads supporting documents (optional)</li><li>9. Student selects preferred supervisor (primary)</li><li>10. Student selects alternative supervisors (2-3)</li><li>11. Student reviews all entered information</li><li>12. Student submits proposal</li><li>13. System validates all required fields</li><li>14. System saves proposal with timestamp</li><li>15. System generates proposal ID</li><li>16. System sets status to "Under Review"</li><li>17. System sends notification to coordinator</li><li>18. System displays confirmation message with proposal ID</li></ol>

<b>Alternative Flows</b>	<b>A1: Save as Draft-</b> At any step, student can save as draft- System saves current progress- Student can resume later- Resume at saved step <b>A2: Upload Supporting Documents-</b> At step 8, student uploads files- System validates file format and size- System stores files securely- Continue to step 9 <b>A3: Supervisor Not Available-</b> At step 9, if preferred supervisor reached limit-
<b>Attribute</b>	<b>Description</b>
	System shows warning message- Student selects different supervisor- Resume at step 10
<b>Exception Flows</b>	<b>E1: Submission Deadline Passed-</b> System displays deadline passed message- Proposal cannot be submitted- Student contacts coordinator <b>E2: File Upload Error-</b> System displays file upload error- Student removes problematic file- Student uploads alternative file <b>E3: System Error During Submission-</b> System displays error message- System saves draft automatically- Student tries submission again
<b>Business Rules</b>	BR-01: Proposal deadline must be enforced BR-02: Student can submit only one proposal per semester BR-03: Abstract must be 200-300 words BR-04: At least 3 supervisor preferences required BR-05: File uploads limited to PDF, DOC, PPT (max 10MB)
<b>Special Requirements</b>	SR-01: Auto-save every 2 minutes SR-02: Plagiarism check on abstract SR-03: File virus scanning SR-04: Mobile responsive form
<b>Technology Variations</b>	None
<b>Frequency</b>	100-200 proposals per semester
<b>Open Issues</b>	Integration with plagiarism detection tool

## UC-05: Track Project

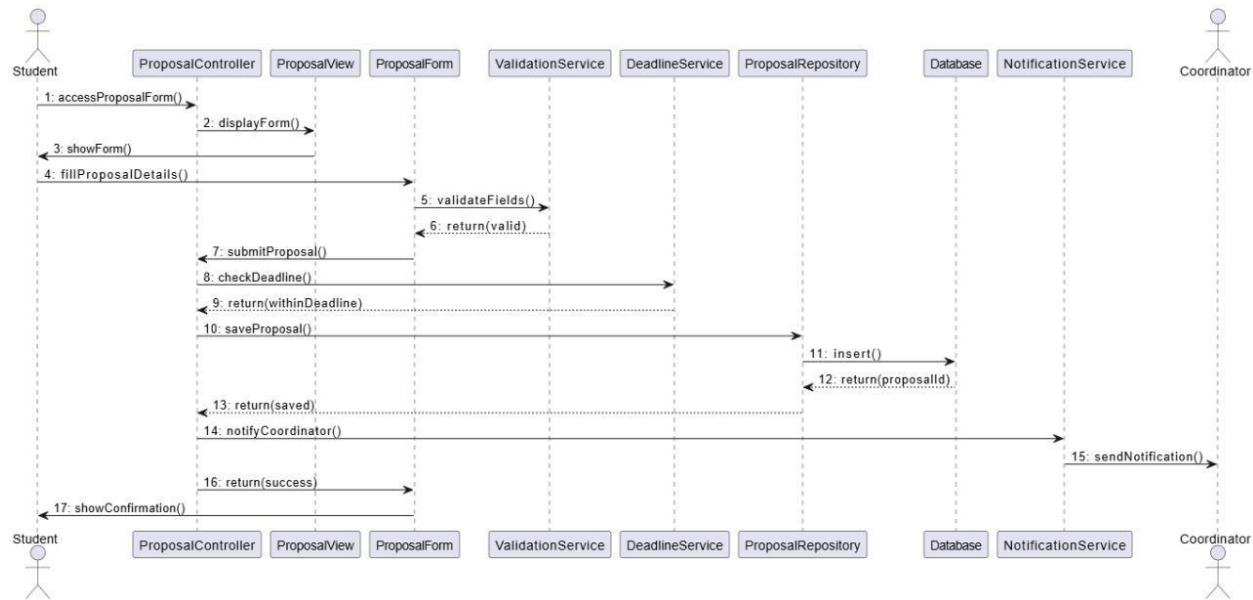
<b>Attribute</b>	<b>Description</b>
<b>Use Case ID</b>	UC-05
<b>Use Case Name</b>	Track the project
<b>Actor</b>	Student, Supervisor, FYP Coordinator
<b>Description</b>	Users can view, track project progress throughout the FYP lifecycle

<b>Preconditions</b>	Users are logged in, Project exists in system, User has appropriate permissions
<b>Postconditions</b>	Project information is displayed with all details
<b>Priority</b>	High
<b>Frequency of Use</b>	Daily during project period
<b>Normal Flow</b>	<ol style="list-style-type: none"> <li>1. User navigates to project management Section</li> <li>2. System displays list of projects based on user role</li> <li>3. User selects specific project</li> <li>4. System displays project details page</li> </ol>
<b>Attribute</b>	<b>Description</b>
	<ol style="list-style-type: none"> <li>5. User views current project status</li> <li>6. User can perform role-specific actions</li> <li>7. System updates project information</li> <li>8. System logs all changes</li> <li>9. System notifies relevant stakeholders</li> <li>10. System displays updated project view</li> </ol>
<b>Alternative Flows</b>	<p><b>A1: Student Manages Own Project-</b> Student views project timeline- Student updates project progress- Student uploads deliverables- Student schedules meetings with supervisor- Student views feedback and grades</p> <p><b>A2: Supervisor Manages Supervised Projects-</b> Supervisor views all supervised projects- Supervisor tracks student progress- Supervisor provides feedback- Supervisor updates project milestones- Supervisor schedules evaluations</p> <p><b>A3: Coordinator Manages Department Projects-</b> Coordinator views all department projects- Coordinator tracks overall progress- Coordinator reassigns supervisors if needed- Coordinator extends deadlines- Coordinator generates progress reports</p>
<b>Exception Flows</b>	<p><b>E1: Unauthorized Access-</b> System displays access denied message- User redirected to appropriate page</p> <p><b>E2: Project Not Found-</b> System displays project not found error- User redirected to project list</p> <p><b>E3: Update Conflict-</b> Multiple users editing simultaneously- System shows conflict resolution dialog- User must refresh and retry</p>
<b>Business Rules</b>	<p>BR-01: Only authorized users can modify projects</p> <p>BR-02: All changes must be logged with timestamp</p> <p>BR-03: Critical changes require approval</p> <p>BR-04: Project status must follow defined workflow</p> <p>BR-05: Historical data must be preserved</p>

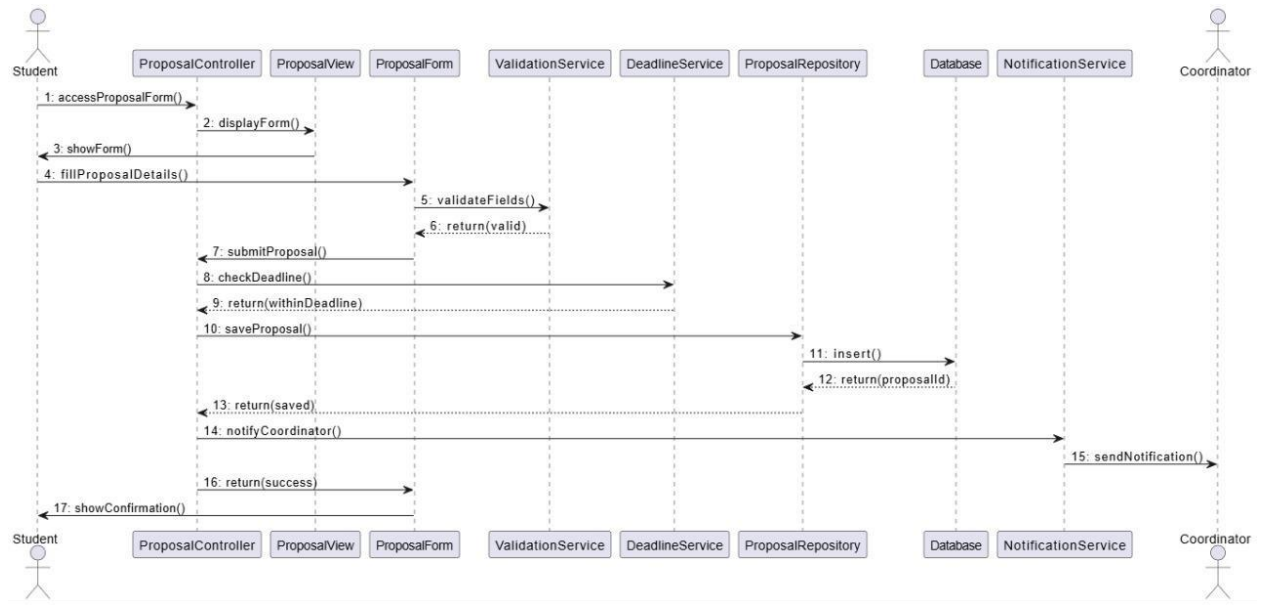
<b>Special Requirements</b>	SR-01: Real-time collaboration support SR-02: Version control for documents SR-03: Audit trail for all changes SR-04: Backup before major updates
<b>Technology Variations</b>	Different views for mobile vs desktop
<b>Frequency</b>	50-100 project updates per day
<b>Open Issues</b>	Real-time collaboration implementation

## Collaboration Diagrams

### 1. Submit Proposal Collaboration Diagram

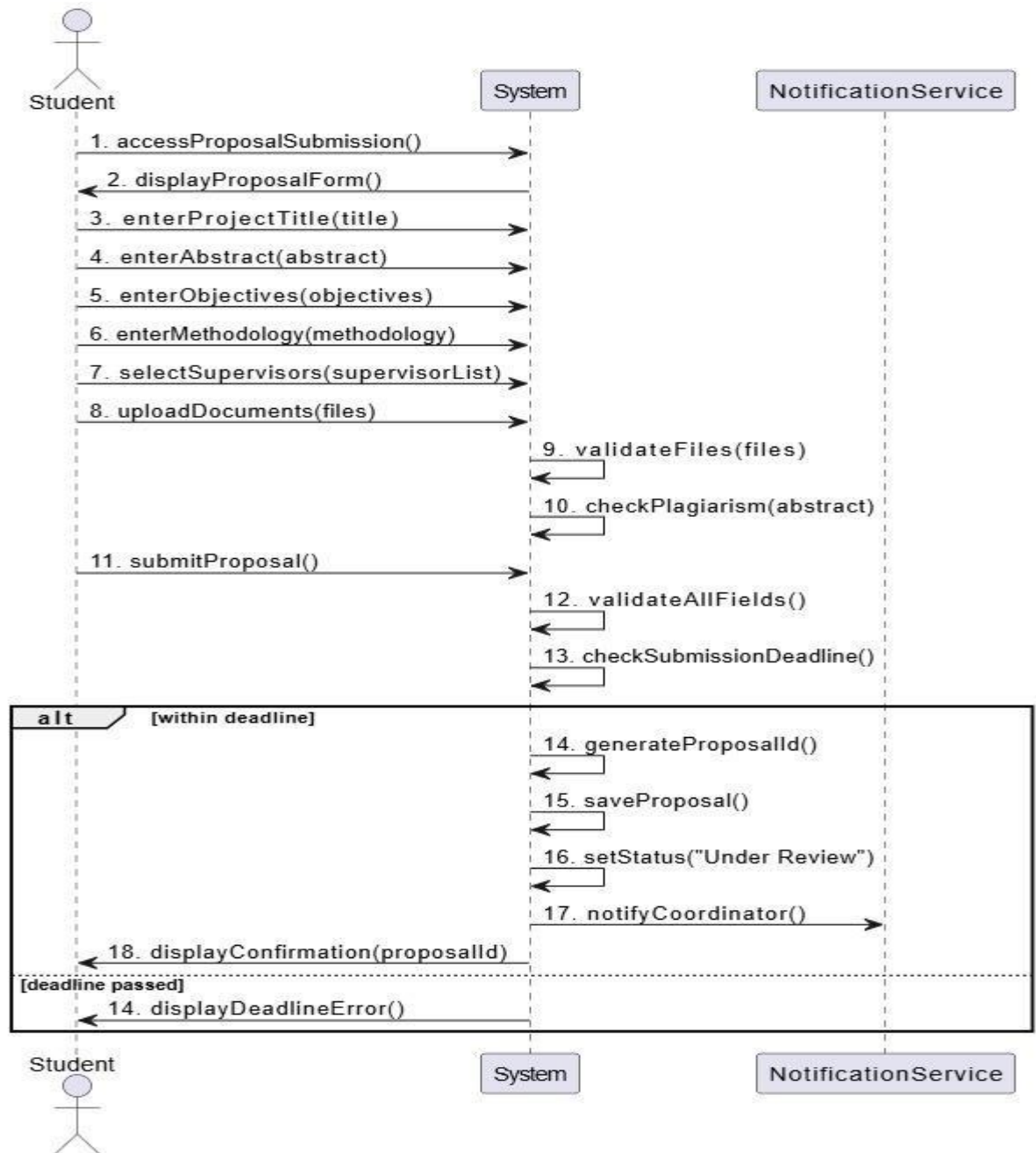


### 2. Manage Project Collaboration Diagram:

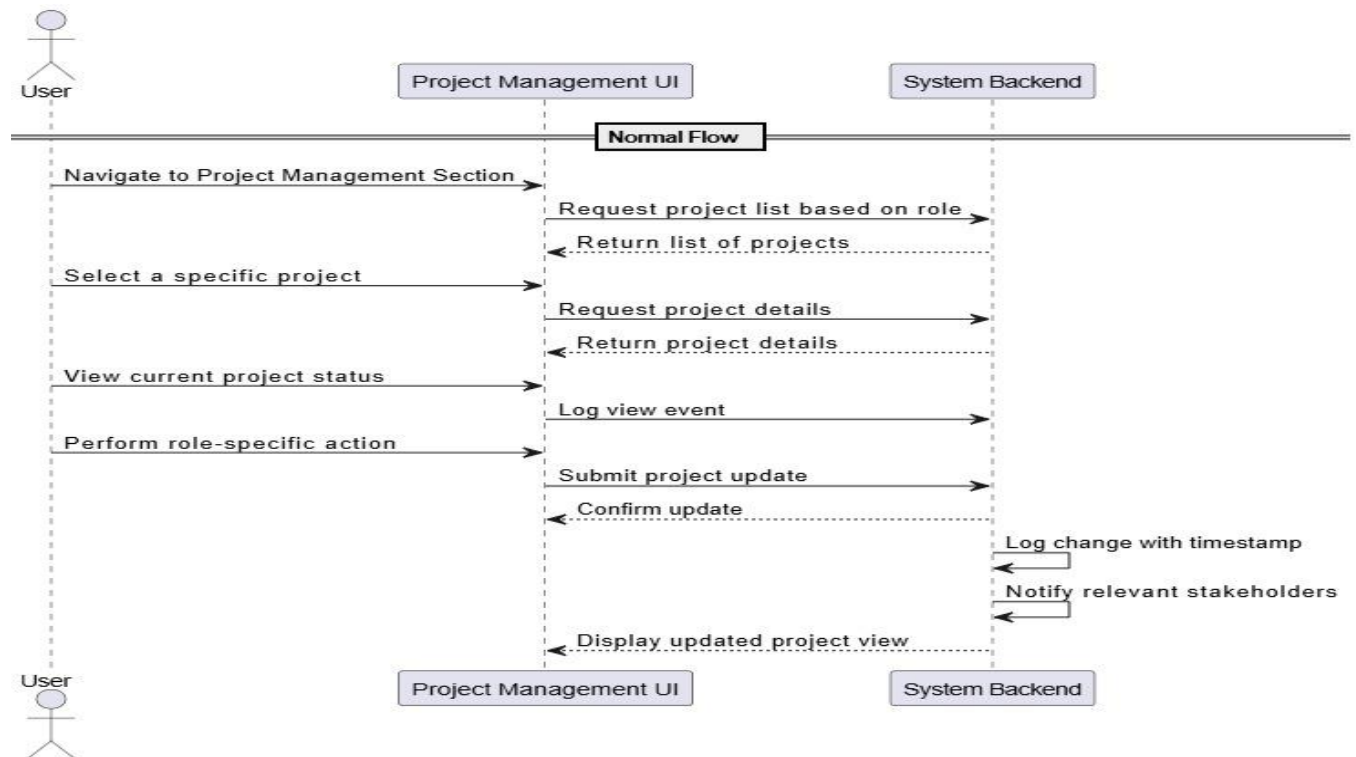


# System Sequence Diagrams

## 1. Submit Proposal System Sequence Diagram



track Project System Sequence Diagram:



Class diagram:

## FYP Proposal System - Class Diagram

