

STUDENT PROGRESS TRACKER



Our Team

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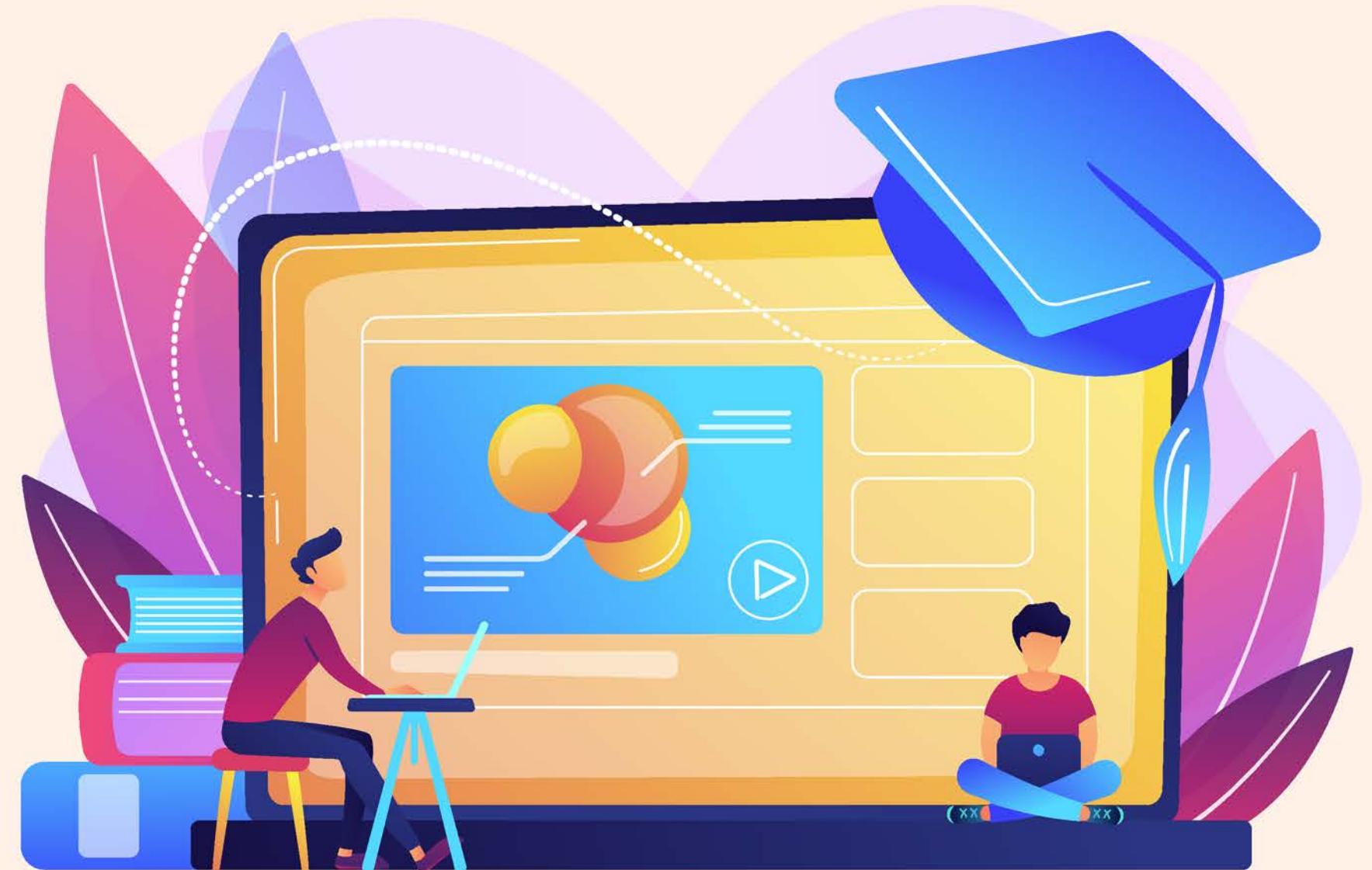
Noura Elsaey

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Introduction

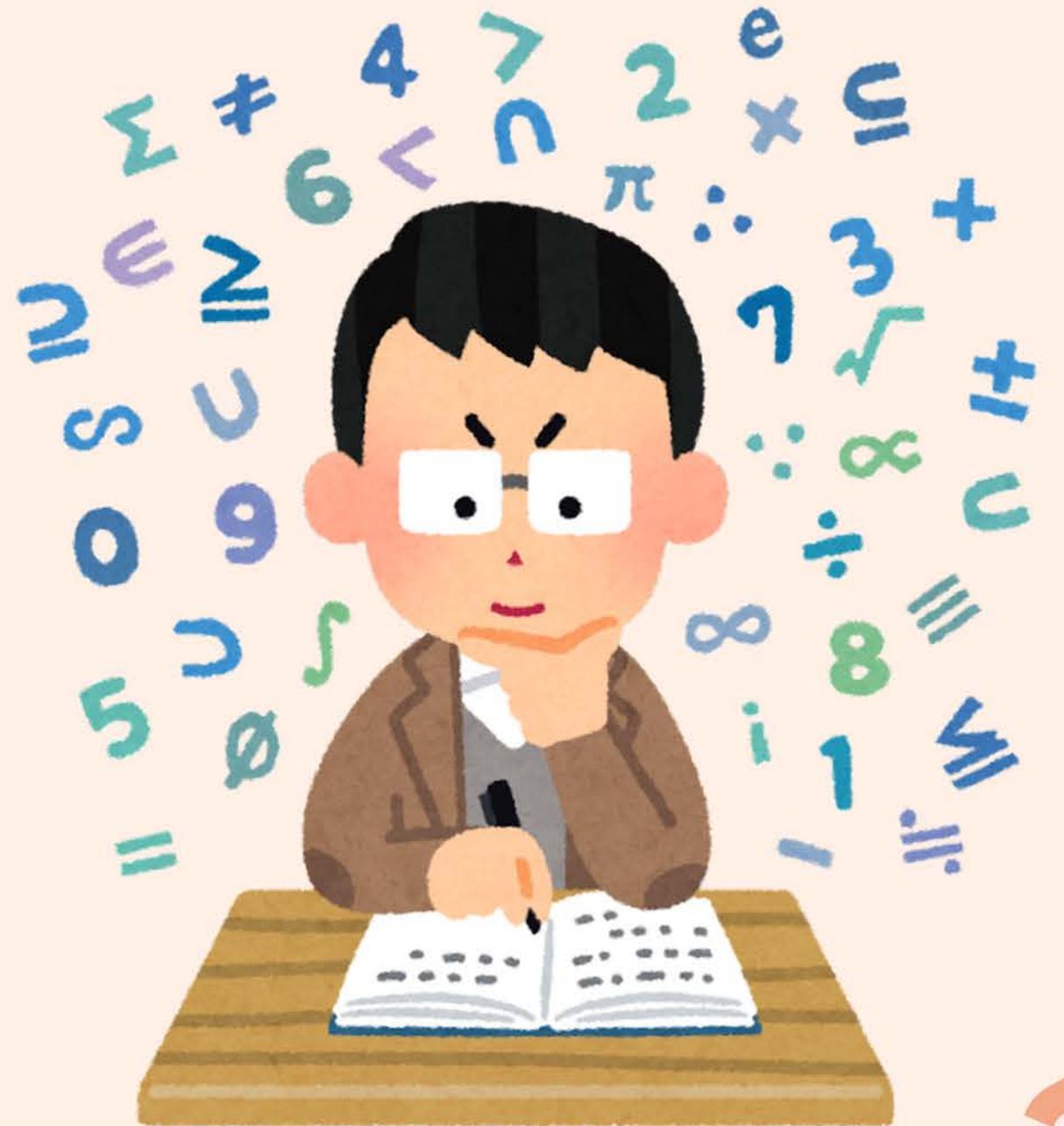
The Student Progress Tracker app simplifies classroom management with features like assignment creation, attendance tracking, scheduling, live class integration, reminders, performance reports, tuition handling, book info, offline mode, and Google Classroom integration.



Problem Statement

In today's busy education environment, students, teachers, and parents often face several problems, including:

1. Lack of Communication
2. Organization Issues
3. Limited Access to Materials
4. Time Management
5. Lack of Feedback



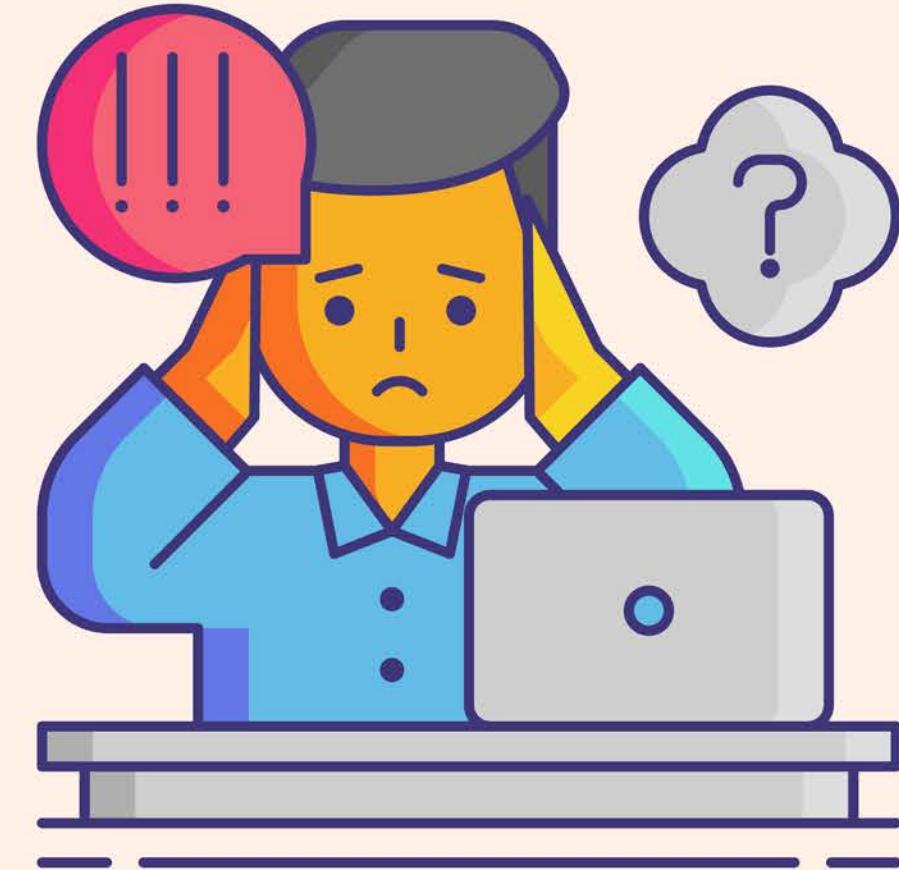
1. Lack of Communication

Poor communication can cause misunderstandings about assignments, deadlines, and class schedules. Parents might not know how their child is doing in school or if there are any attendance problems.



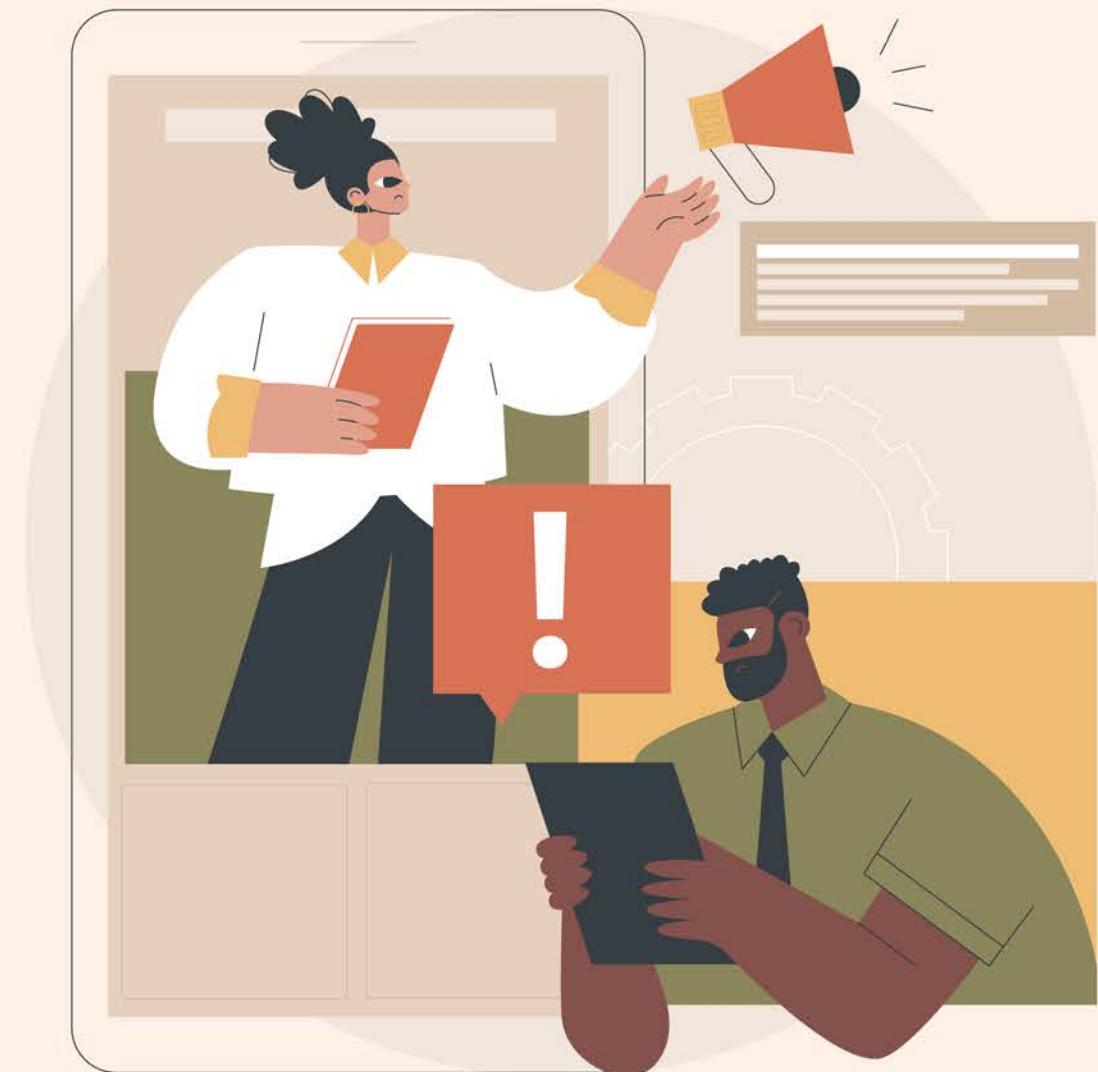
2. Organization Issues

Students often need help keeping track of different assignments, deadlines, and exam schedules, which can result in missed submissions and lower grades.



3.Limited Access to Materials

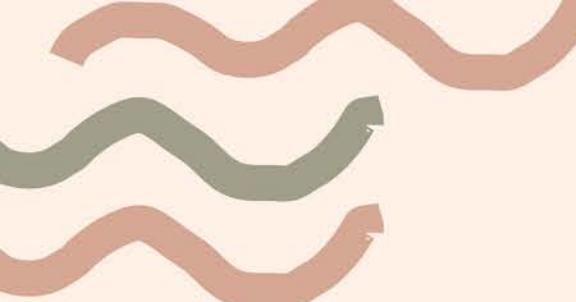
Students may find it hard to access course materials and books, making it difficult for them to learn effectively.



4. Time Management

Teachers and Assistants spend too much time on administrative tasks like grading and attendance, which takes away from important teaching time.





5. Lack of Feedback

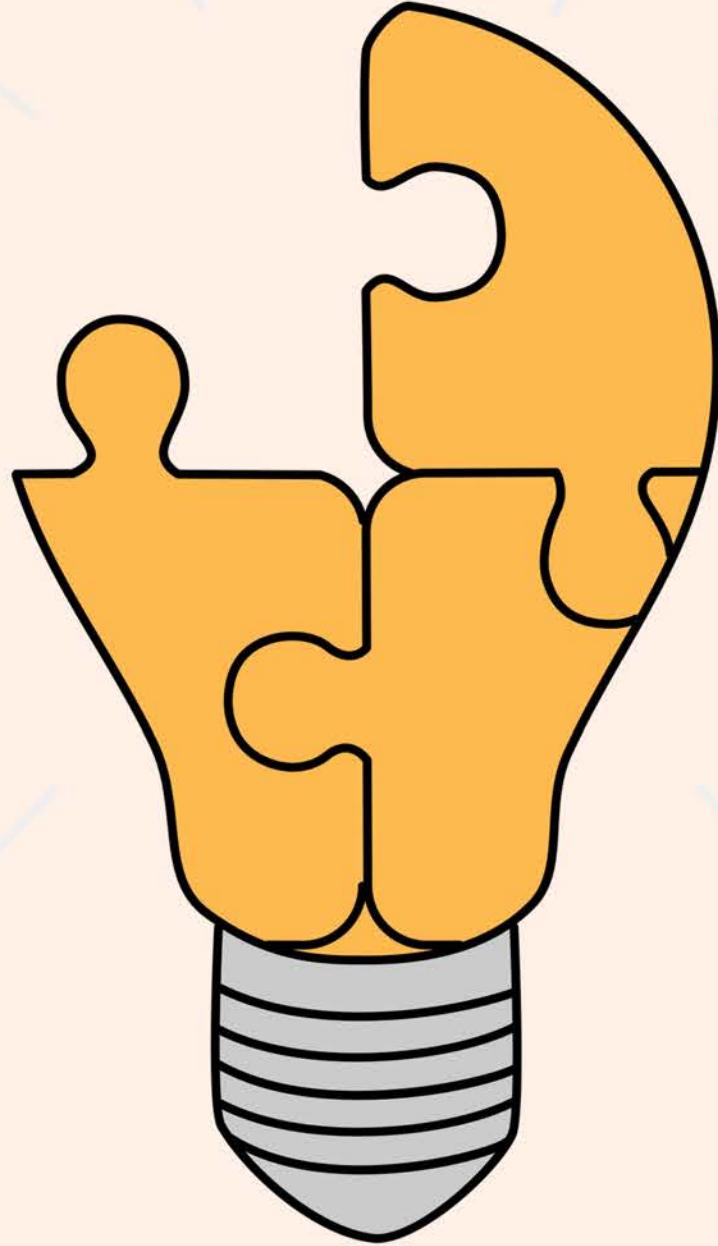
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Our Solutions

1. Enhanced Communication
2. Centralized Organization
3. Materials Accessibility
4. Automation for Administrative Tasks
5. Performance Tracking and Feedback
6. Integration with Technology
7. Payment Management



1. Enhanced Communication

- Real-time notifications and updates about assignments, grades, and attendance.
- Automatic reminders for exams and homework deadlines for students, teachers, and parents.
- Alerts for parents when their child misses deadlines or leaves live classes early.



2. Centralized Organization

- A shared calendar for all users, displaying class schedules, deadlines, and events.
- Integration with Google Classroom for seamless access to learning materials and assignments.



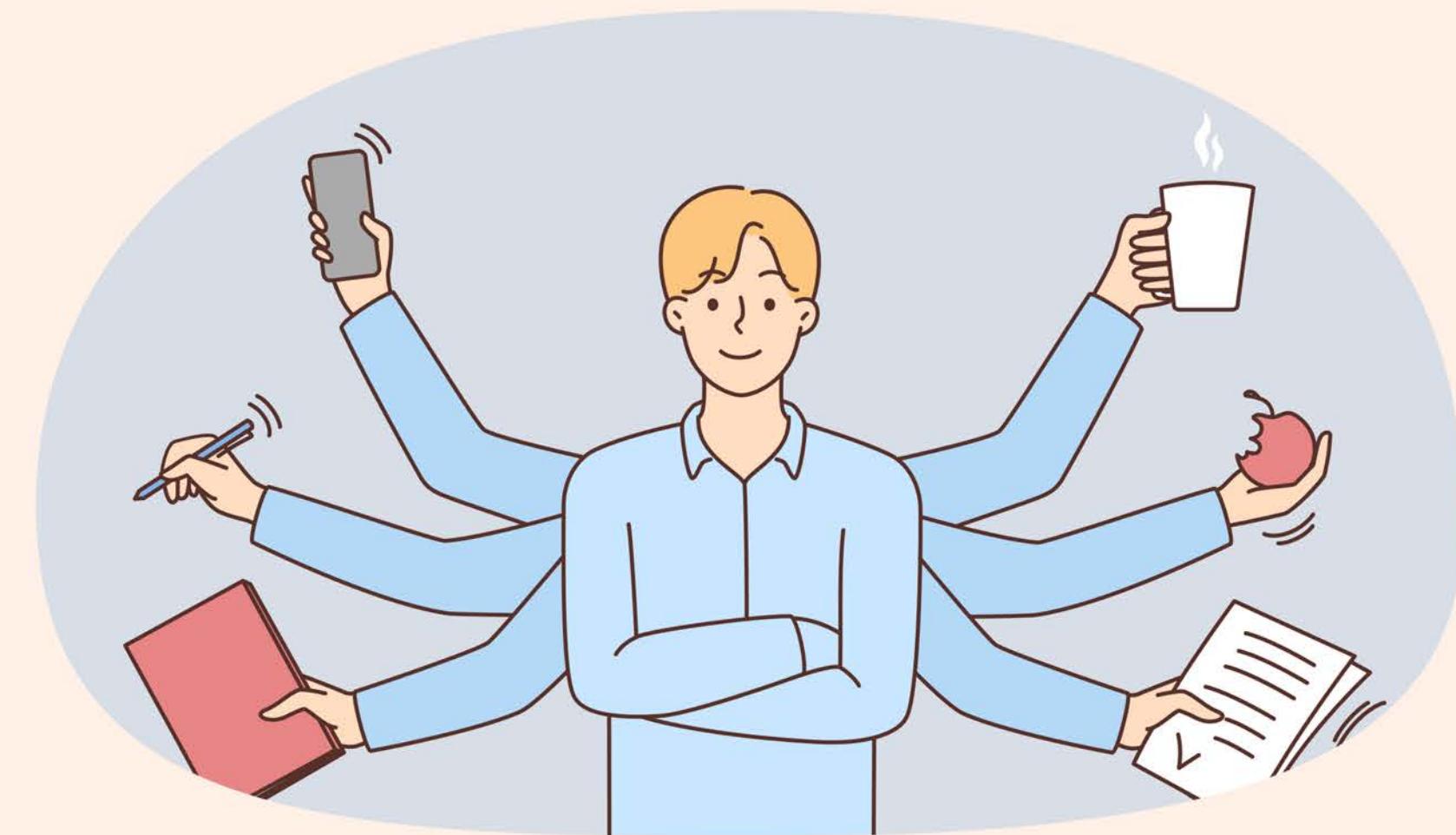
3. Materials Accessibility

- Offline mode for students to download materials and work on them without internet access.
- Information on book availability and purchasing options, both online and physical stores.



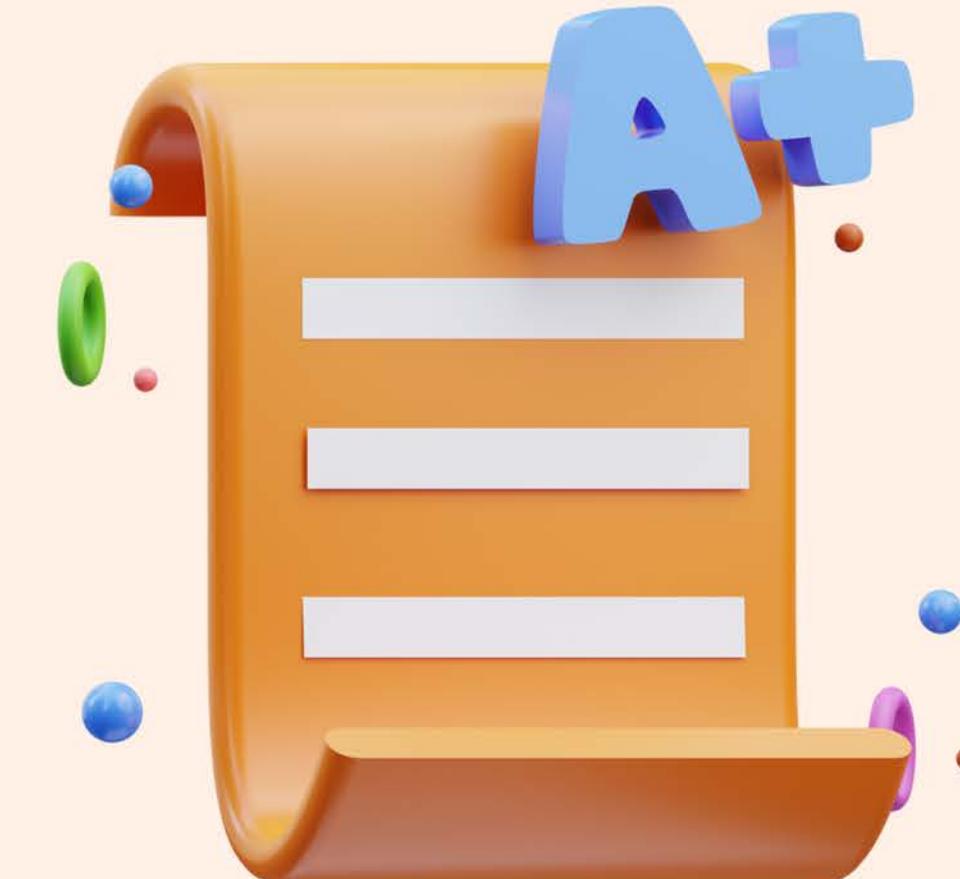
4. Administrative Tasks Automation

- Automatic attendance tracking for live classes.
- Automated generation of performance reports shared with parents.
- Easy class rescheduling and real-time notifications for changes.



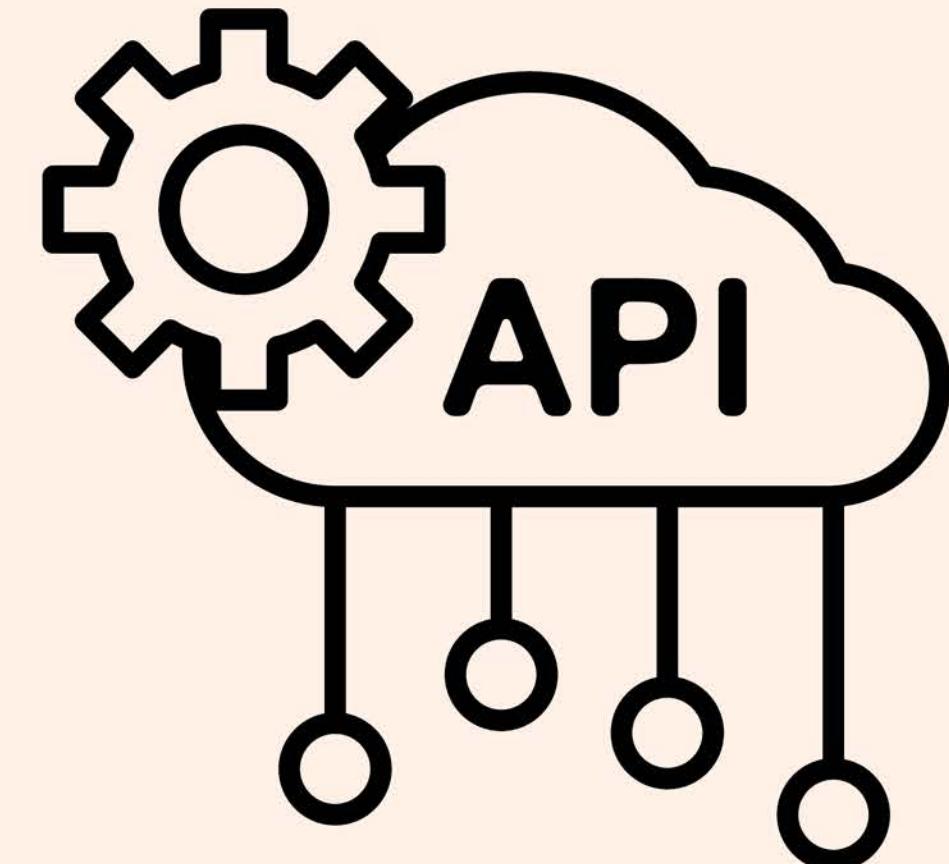
5. Performance Feedback

- Automated reports summarizing academic performance, attendance, and participation.
- Notifications to parents about areas needing improvement, including missed homework or low grades.



6. Integration with Technology

- Live class links integrated with platforms like Zoom, Google Meet, or Microsoft Teams.
- In-app tools like a PDF editor and image-to-PDF converter for students to submit homework easily.



7. Payment Management

- Invoice generation and payment tracking for tuition or class fees.
- Notifications for overdue payments with restrictions on class attendance if necessary.



Competitors

Global



Edmodo



schoolOGY®

Local

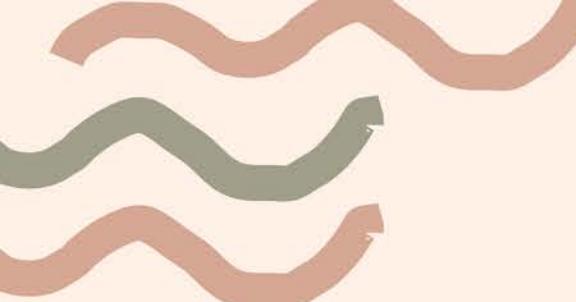


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Competitors

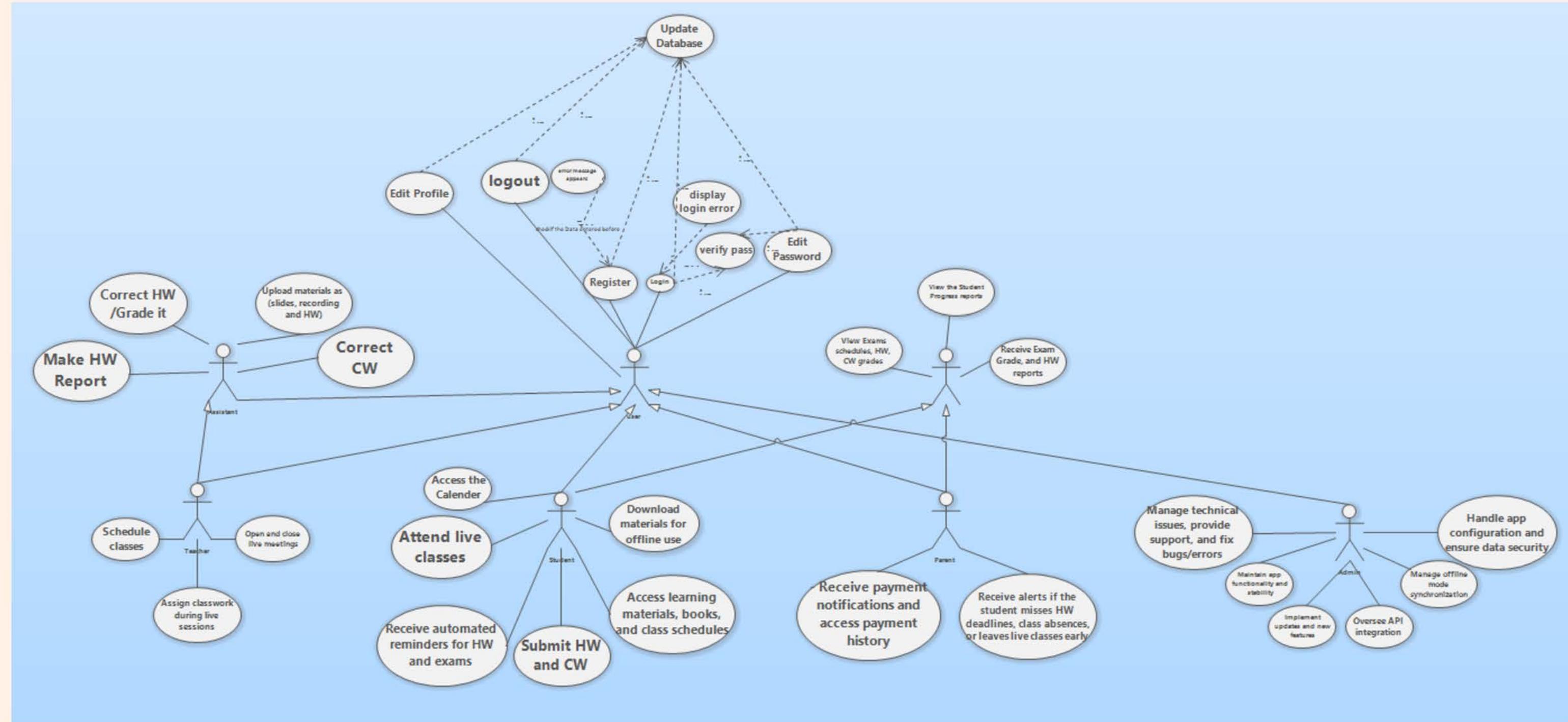
| | Edmodo (Global) | Schoology (Global) | Reda Elfarouk Platform (Local) | Nagwa (Local) | our project |
|---|--------------------|-----------------------|-----------------------------------|------------------|-------------|
| PDF Tools | ✓ | ✓ | ✓ | ✓ | ✓ |
| Auto Attendance | ✓ | ✗ | ✗ | ✗ | ✓ |
| Book availability & purchasing | ✗ | ✗ | ✓ purchasing | ✓ Content | ✓ |
| Invoicing & Payments | ✗ | ✗ | ✓ | ✗ | ✓ |
| Performance reports & analytics | ✓ limited | ✓ reports | ✗ | ✗ | ✓ |
| Offline mode | ✗ | ✗ | ✗ | ✗ | ✓ |
| Notifications (Parent, Exam, ...etc) | ✓ limited | ✓ limited | ✓ | ✗ | ✓ |
| Reminders (Absence Alert, Class/Exam, ...etc) | ✓ limited | ✓ limited | ✗ | ✗ | ✓ |



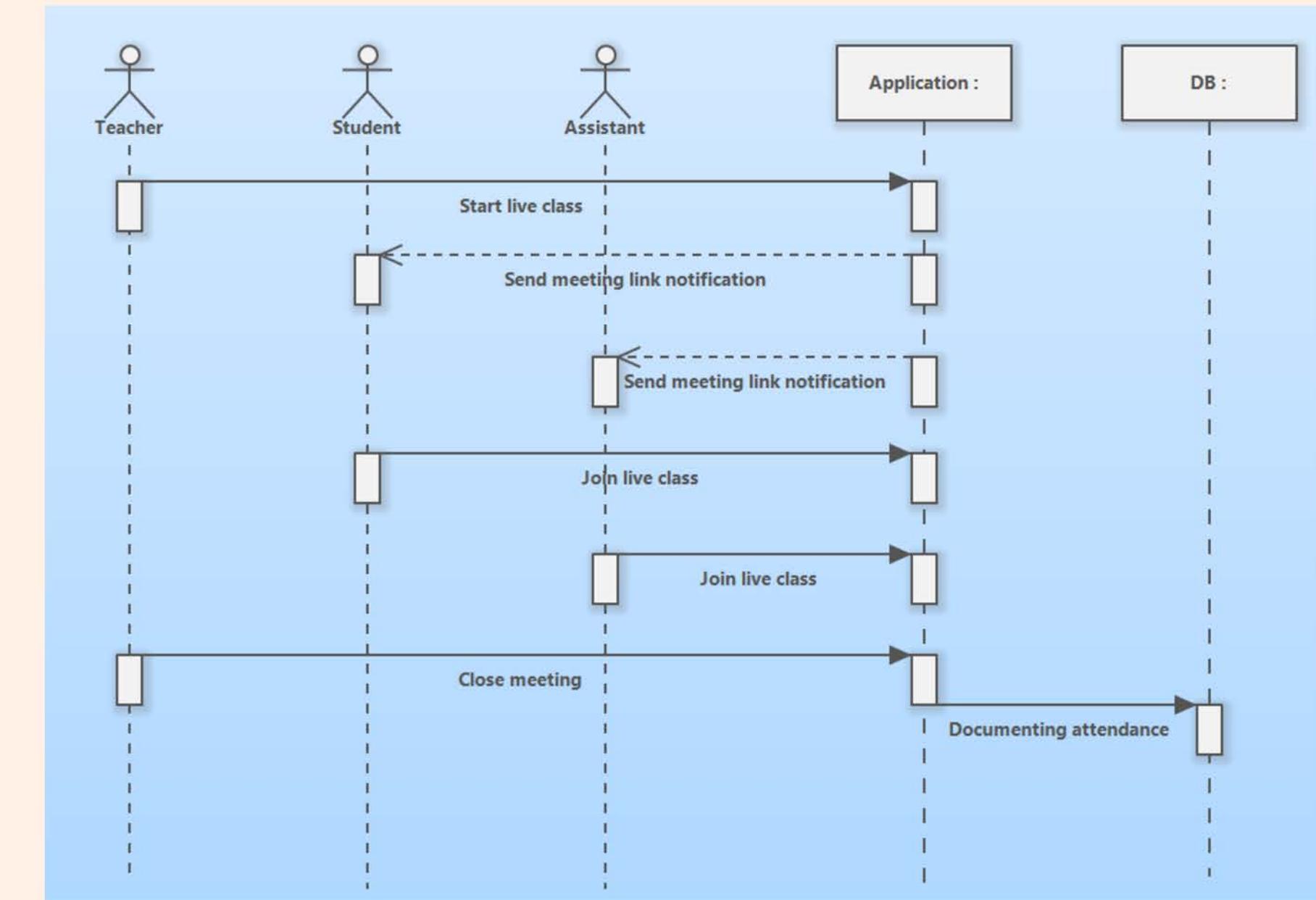
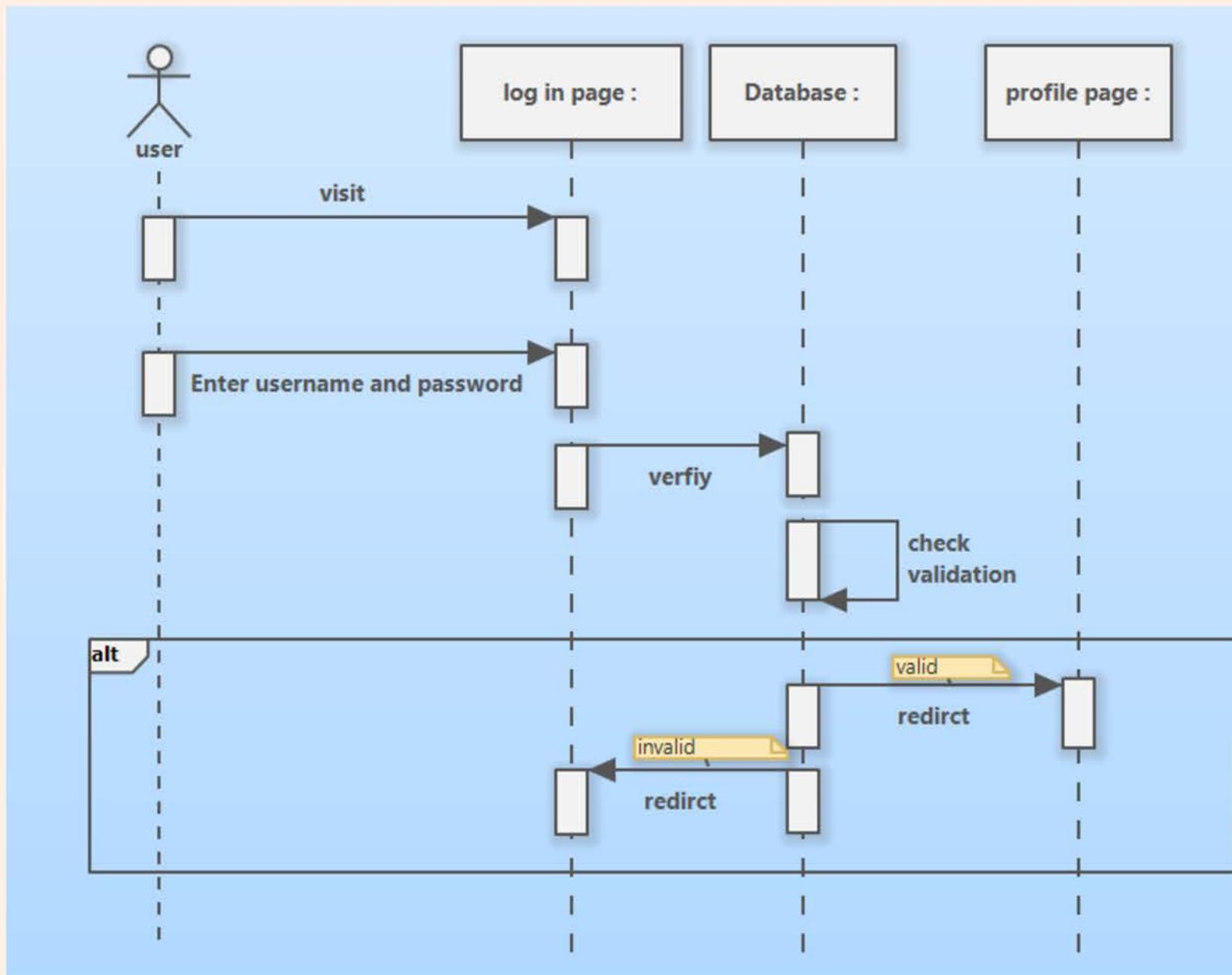
UML Diagrams

1. Use Case Diagram
 2. Sequence Diagram
 3. Activity Diagram
 4. State Diagram
 5. Class Diagram
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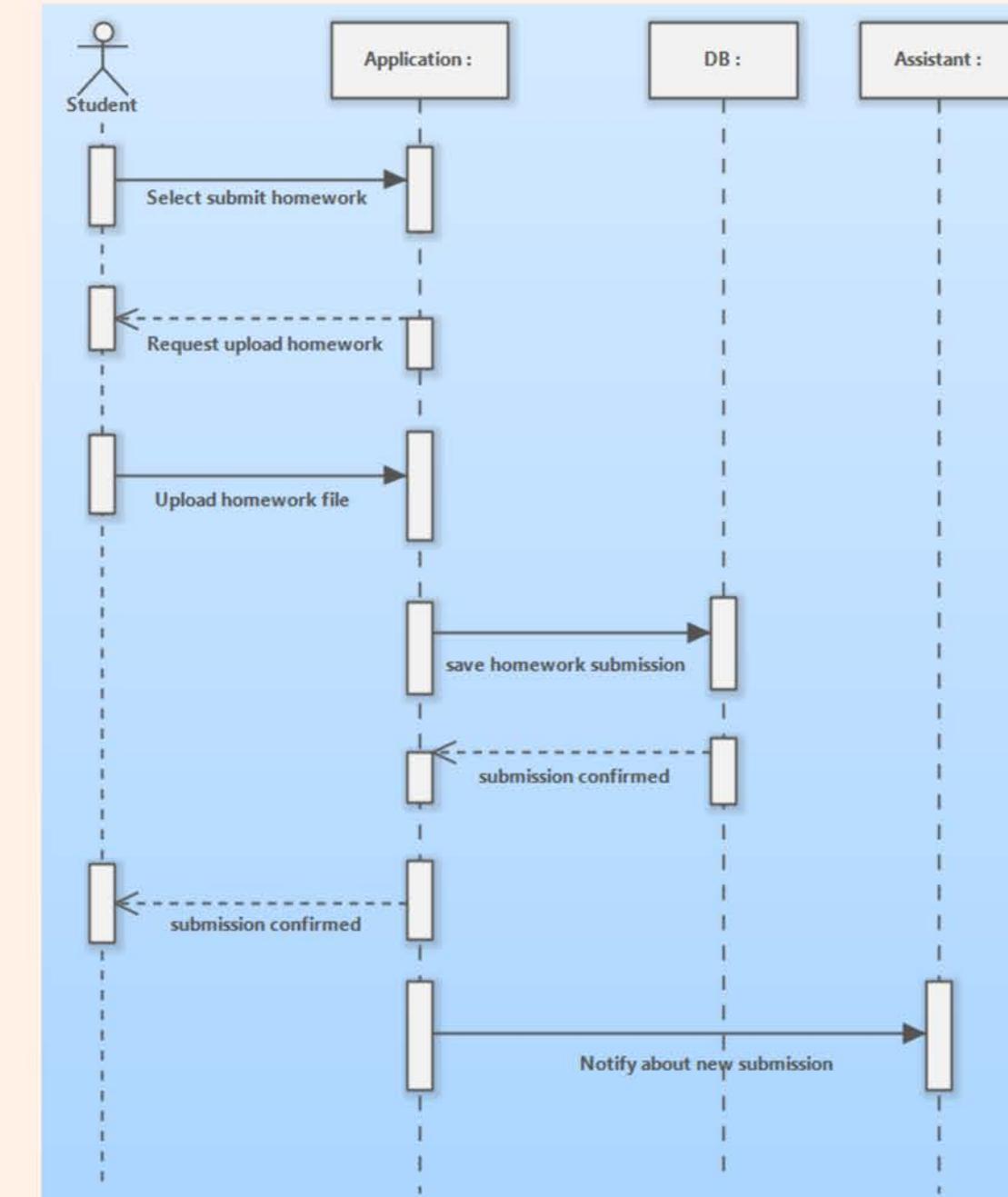
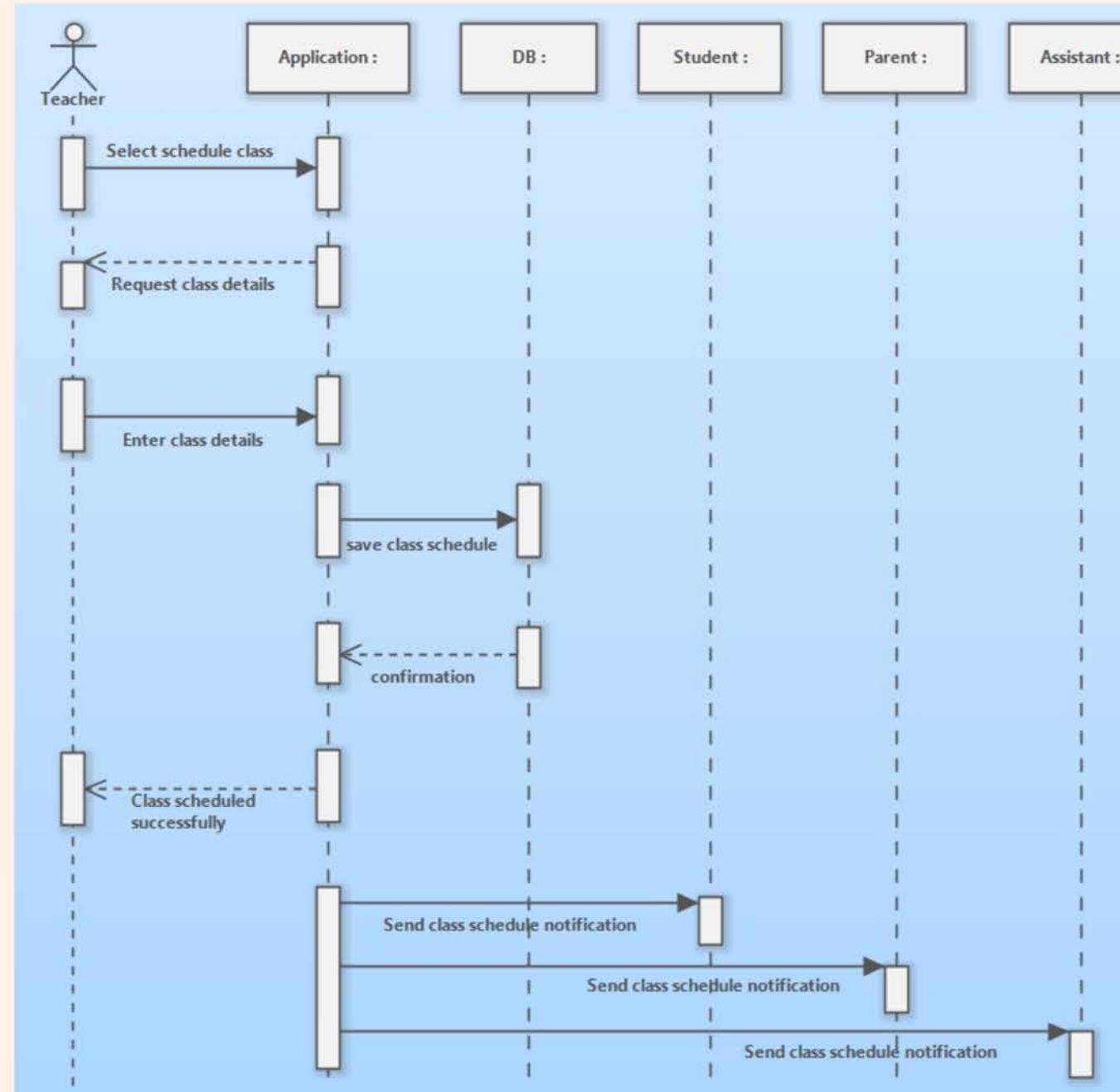
1. Use Case Diagram



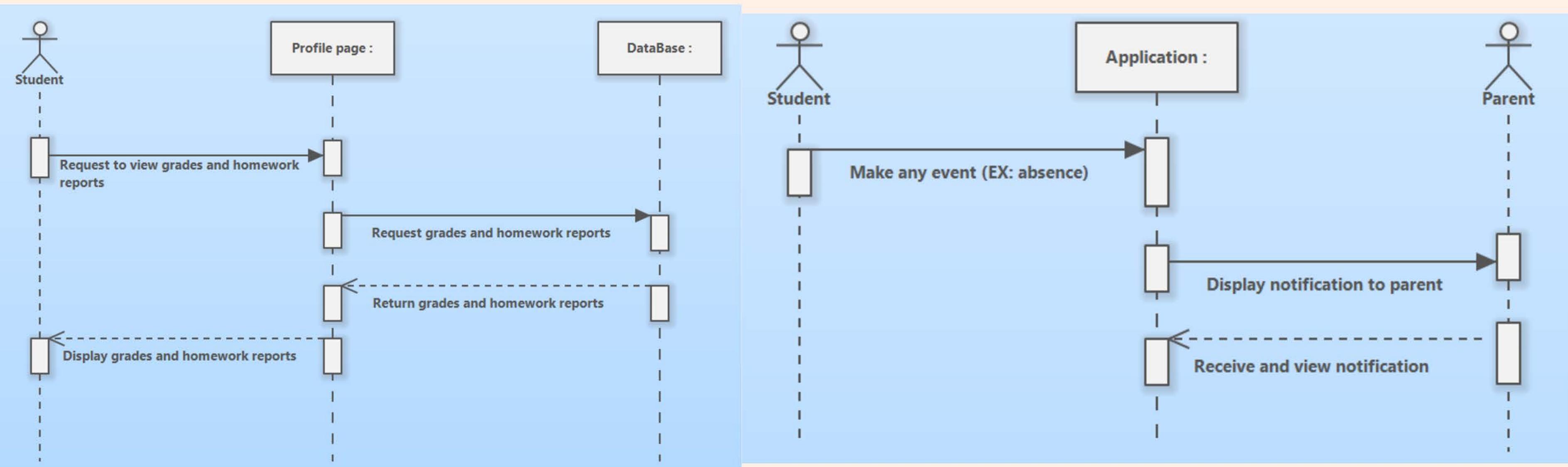
2.Sequence Diagrams



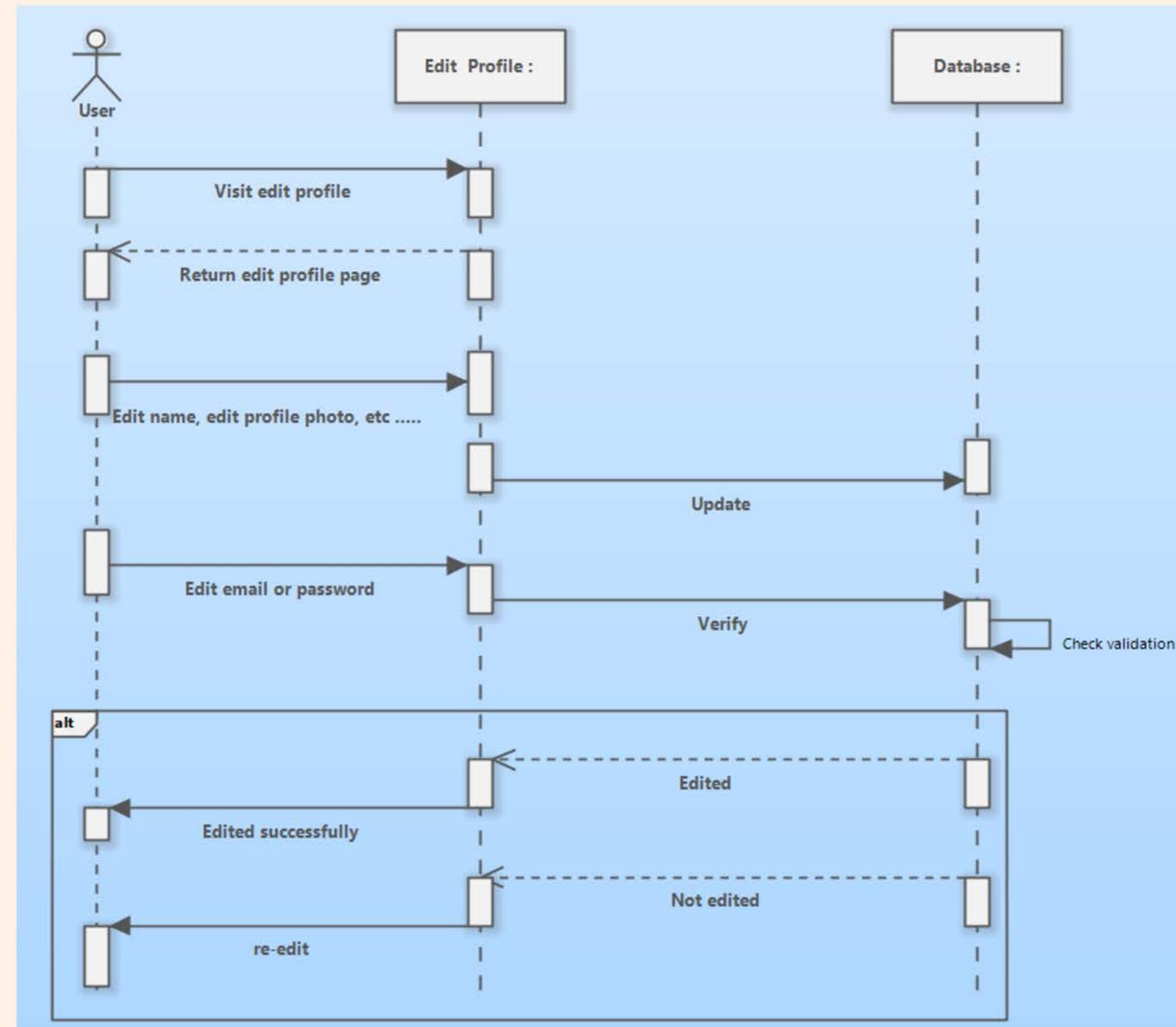
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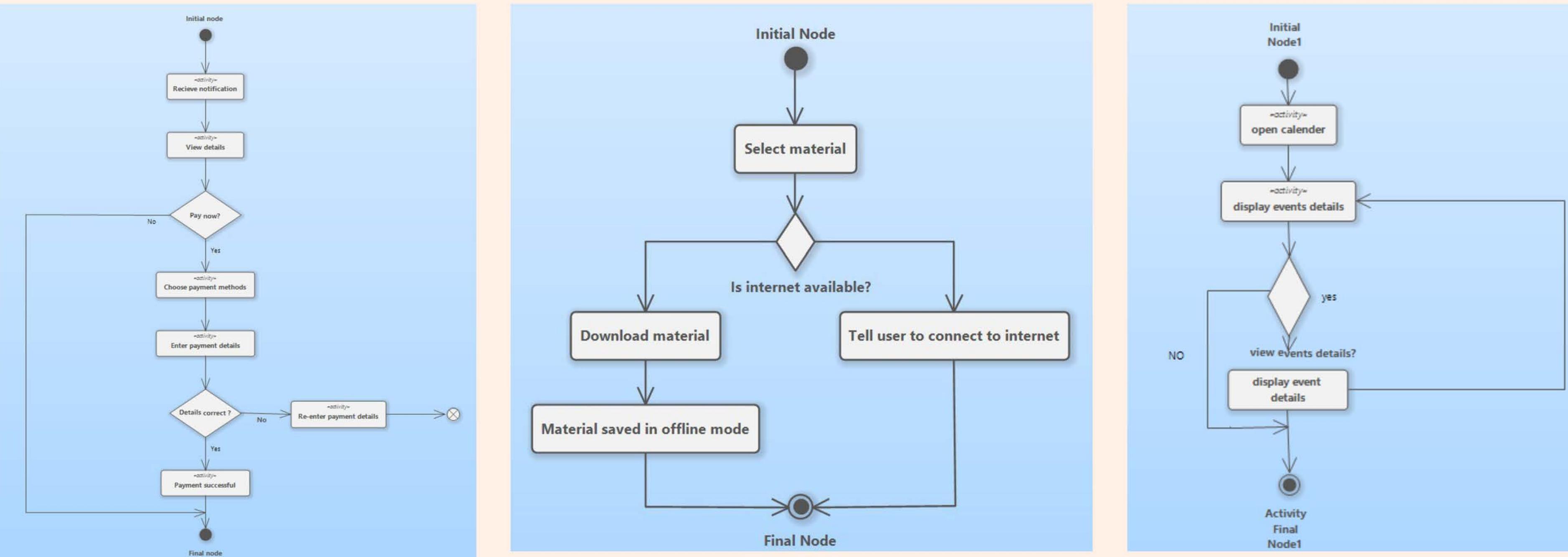
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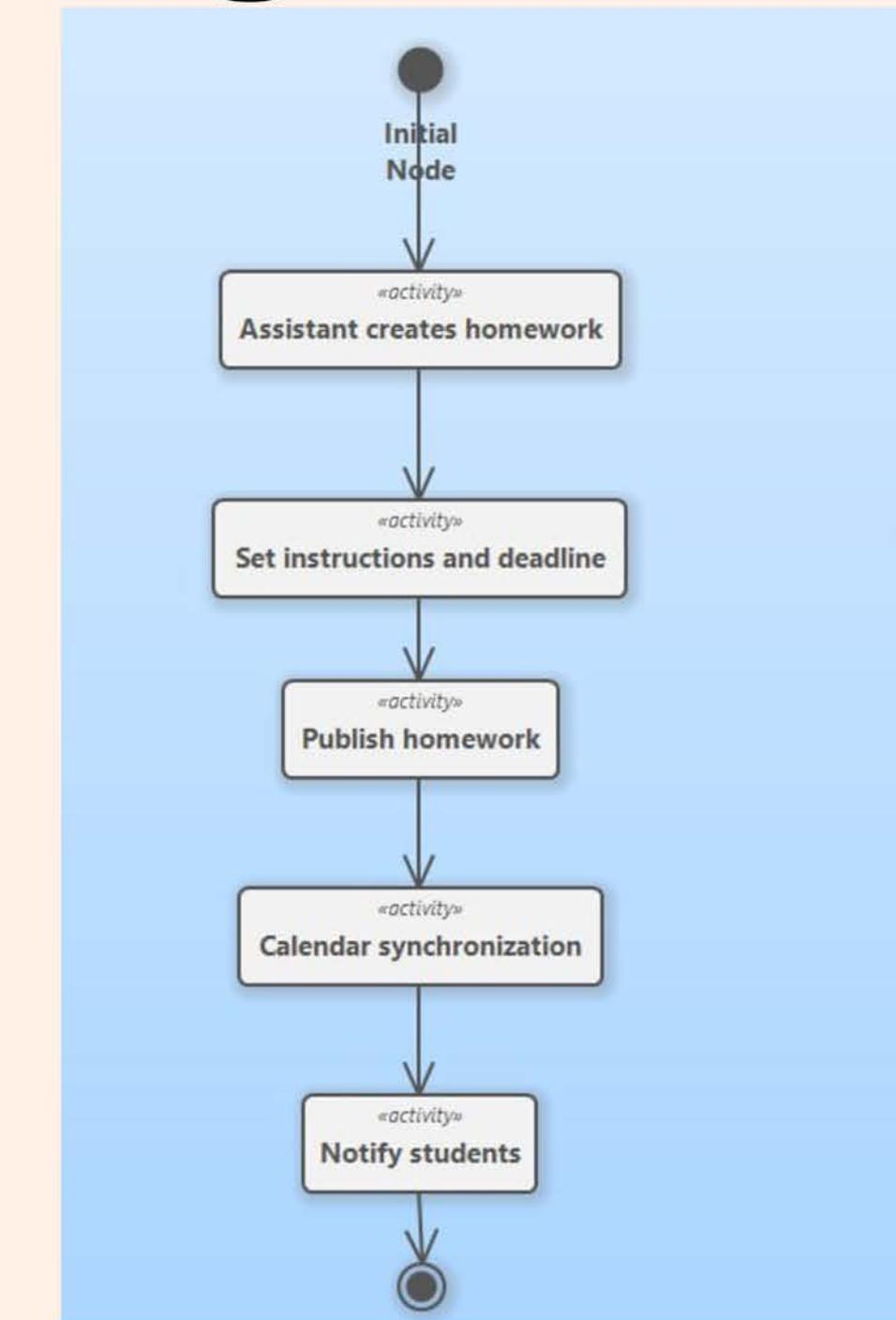
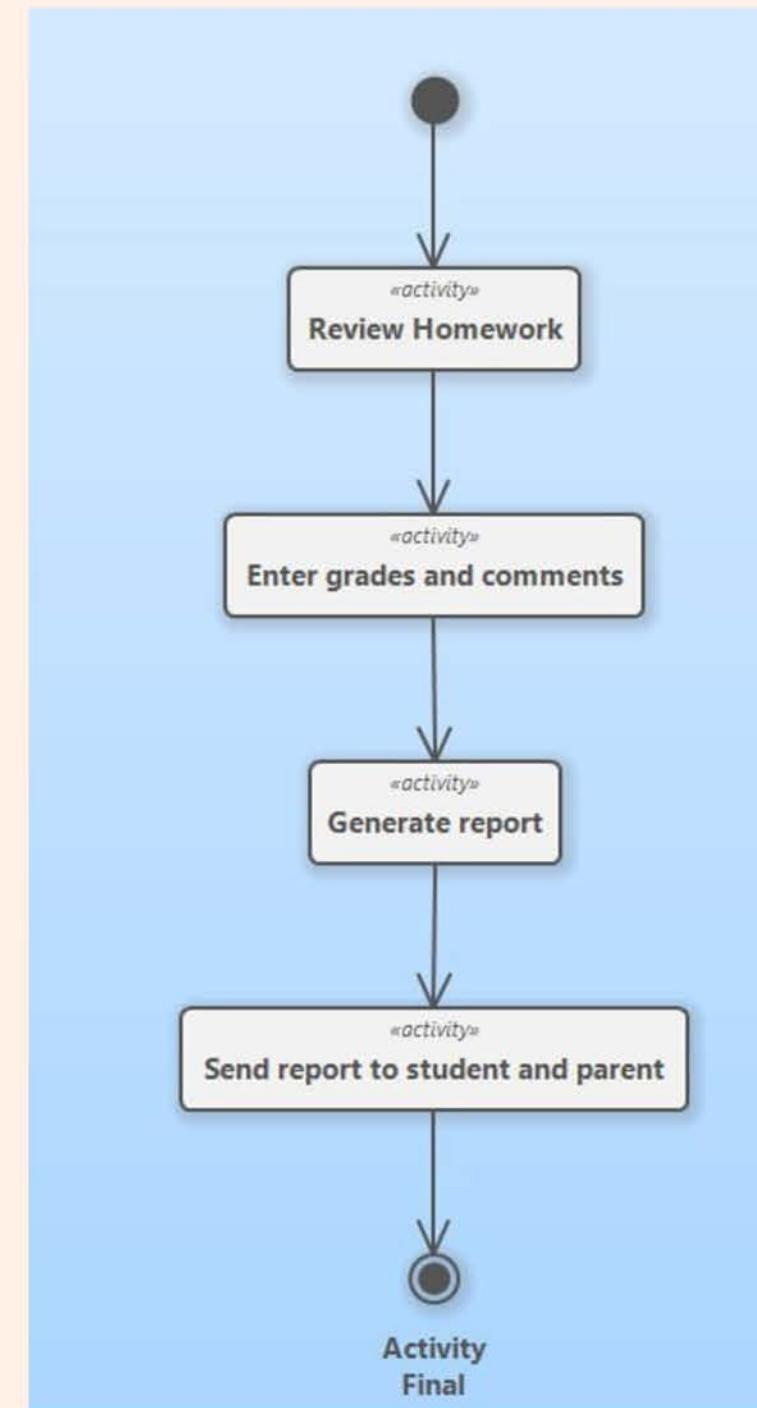
2.Sequence Diagrams



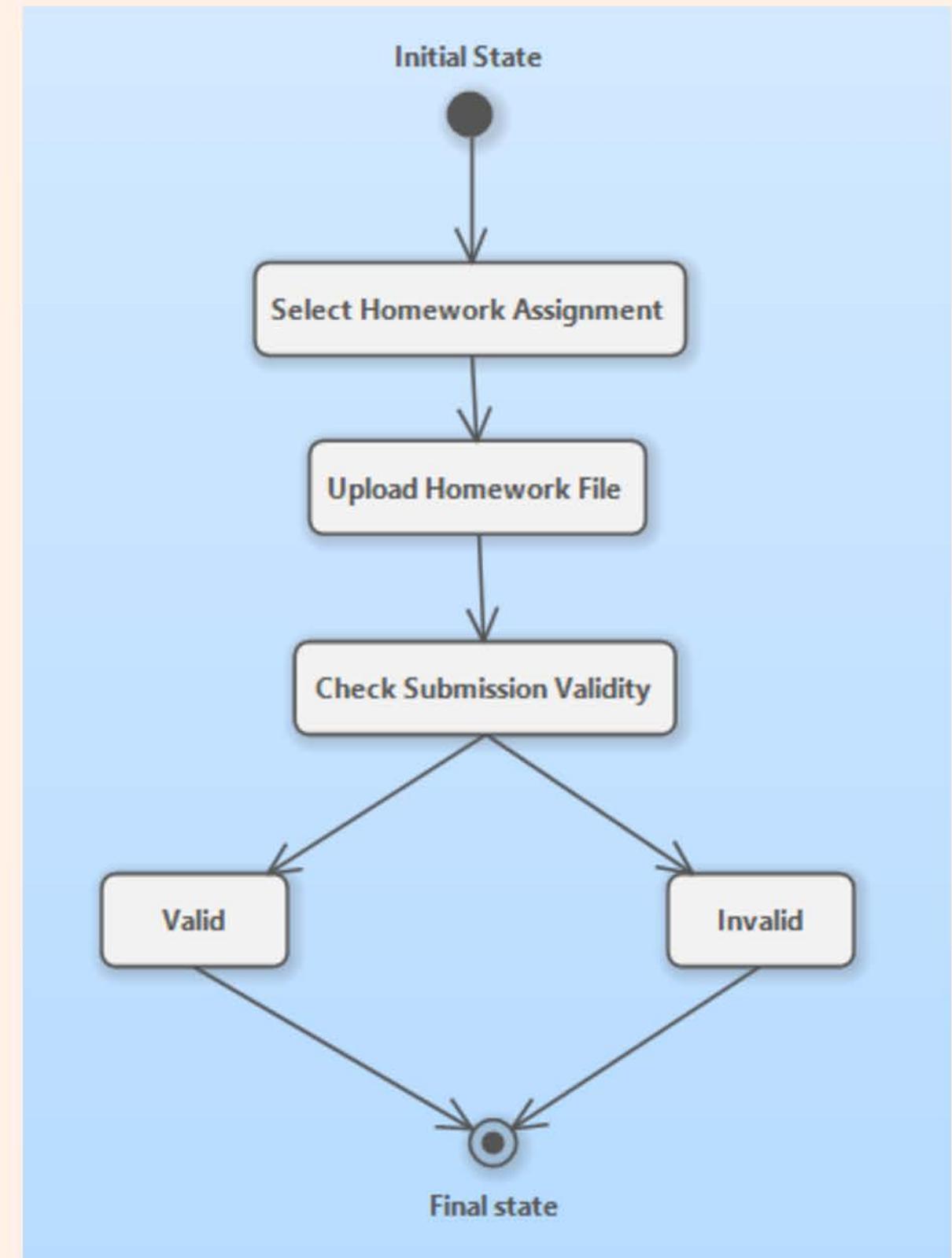
3. Activity Diagrams



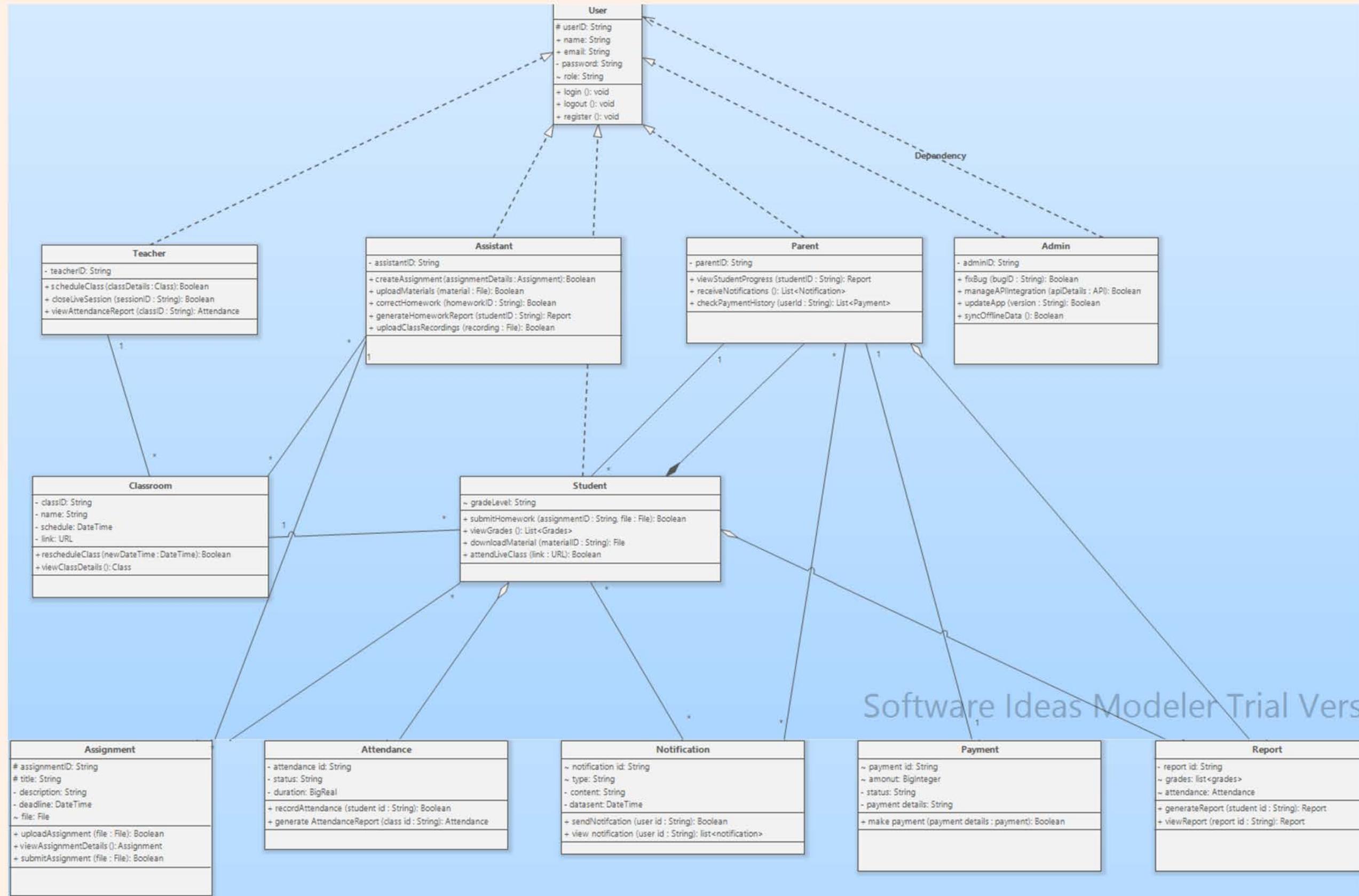
3. Activity Diagrams



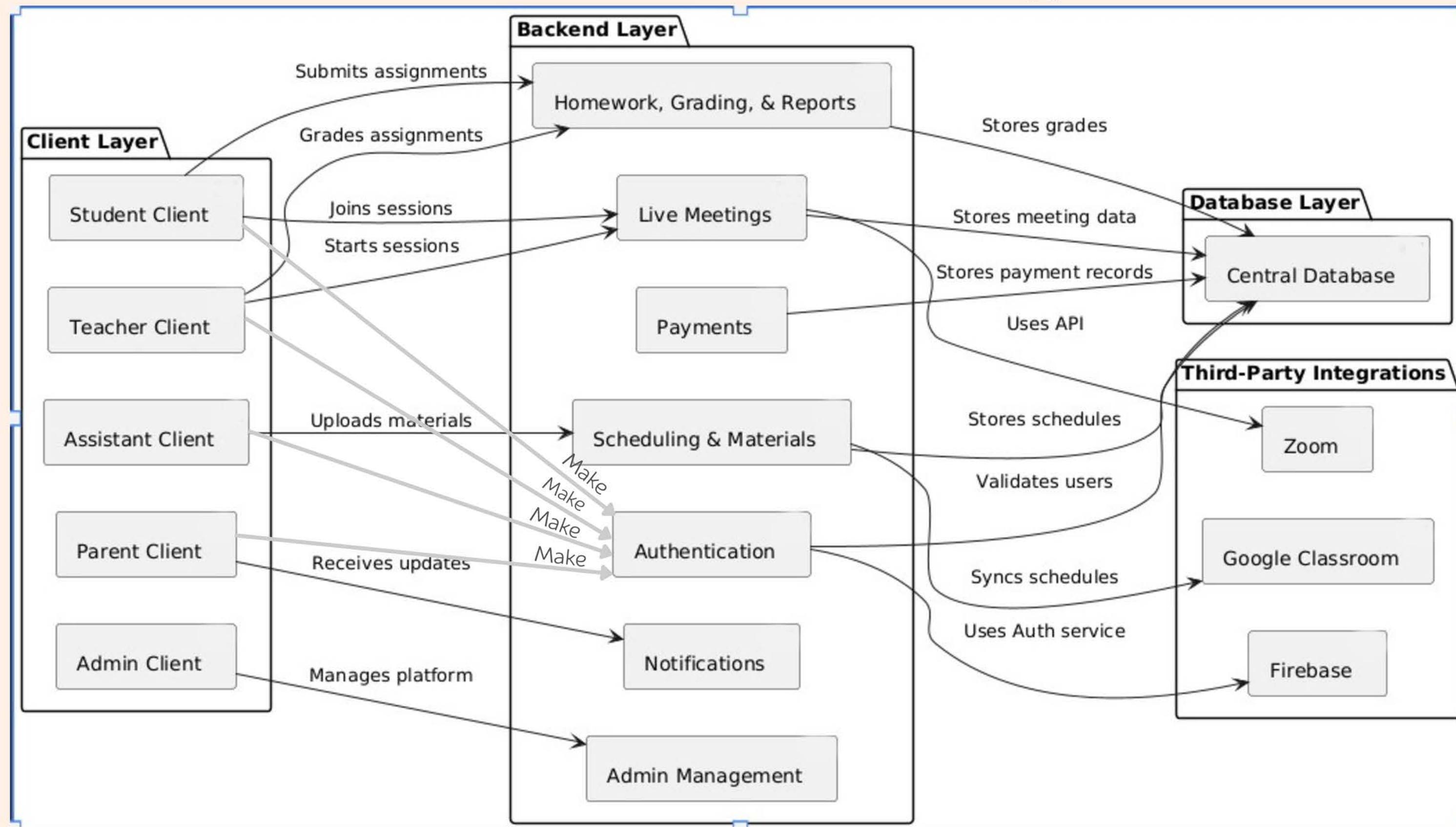
4.State Diagram



5. Class Diagram



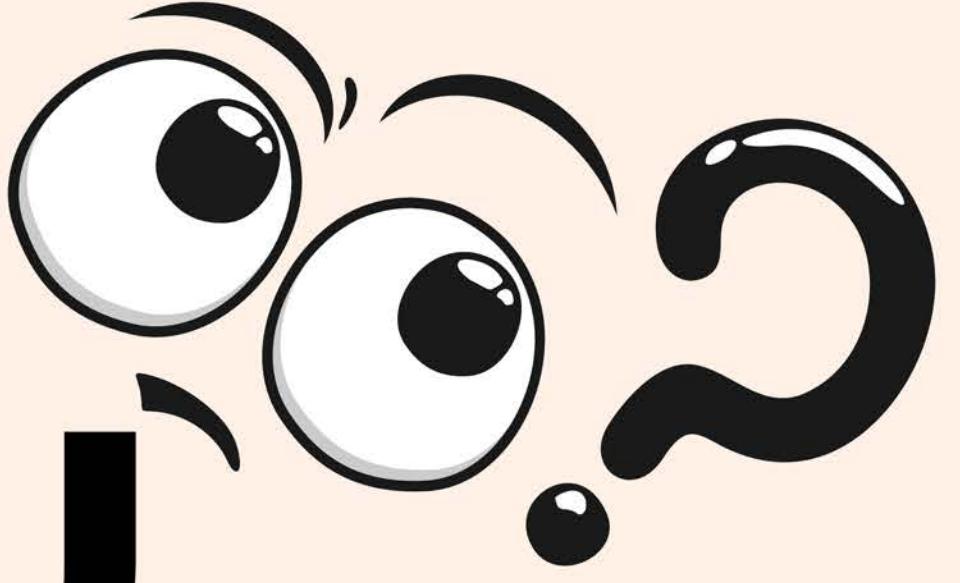
Architecture Diagram



Student Progress Tracker

Business Model Canvas

| Key Partners | Key Activities | Value Proposition | Customer Relationships | Customer Segments |
|---|--|---|--|---|
| <ul style="list-style-type: none"> Educational Institutions Platforms (Ex: GC, Zoom, etc....) Print Shops, advertisers Payment gateways | <ul style="list-style-type: none"> App Development & maintenance Google Classroom API integration Teacher/parent training Marketing and Tech support | <ul style="list-style-type: none"> Simplified classroom and homework management Better communication (students, teachers, parents) by notifications Detailed performance reports Google Classroom integration Offline functionality Tools for providing book Data analysis & Automated reports | <ul style="list-style-type: none"> Technical support Auto notifications In-app guide easy to use(UX) Offers and discounts | <ul style="list-style-type: none"> Students Teachers Parents |
| | Key Resources | | Channels | |
| | <ul style="list-style-type: none"> Development team Tools: VS Code, Android Studio, Figma DBMS Hosting | | <ul style="list-style-type: none"> Mobile app (Android/iOS) Social media platforms as Instagram and Facebook | |
| Cost Structure | | Revenue Streams | | |
| <ul style="list-style-type: none"> Salaries and maintenance Licenses and servers Domain costs Marketing Customer support | | <ul style="list-style-type: none"> Monthly/yearly teacher subscriptions Premium graphs Direct sales (teachers) Educational ads | | |



THANK YOU

ANY QUESTIONS ?

