GROUP 7

NAME OF SYSTEM:

TutorPal

OBJECTIVE

The project is aimed to making ICT students lives easier by connecting them to their tutors online and helping them manage their time through notification reminders about tests, classes and exams. This system will allow students and tutors to upload and download desired class related documents. There will also be a feature to allow students to calculate their predicate marks towards exam qualification.

There will also be a map to allow new students to navigate around campus easily. Tutors will also be reminded of sessions that they have scheduled with their students.

USERS OF THE SYSTEM

1. Students
2. Administrators
3. Tutors

FUNCTIONAL REQUIREMENTS

EVENT	TRIGGER	SOURCE	USE CASE	RESPONSE	DESTINATION
User opens home page	User searches website	Student	Sign up to web page	Profile created feedback	
User logs in	Student clicks login event	Student	Login to dashboard	Login feedback	
Update credentials	User clicks update credentials event	Student	Update credentials	Update feedback	
Download document	Student clicks download icon	Student	Download document	Download feedback	Student
Upload document	Student clicks upload icon	Student	Upload document	Upload request	Administrator
Verify document	Administrator checks document	Administrator	Verify Document		Student
Check available student assistant	Click assistant profile	Student	Check availability		
Request appointment	Student needs assistance	Student	Request appointment		Tutor
Reschedule appointment	Student assistant occupied	Tutor	Reschedule appointment		Student
Setup meeting	Meeting scheduled	Tutor	Setup meting		Student
Remind student	Event to occur	Event reminder	Remind		Student

of event			student		
Calculate predicate	Student wants to know predicate mark	Student	Calculate predicate	Predicate mark	Student
View predicate marks	Student wants to view predicate marks	Student	View predicate marks	Predicate mark	Student
Update predicate mark	Student wants to update predicate mark	Student	Update predicate mark	Predicate mark	Student

Use Case Additional Details:

Sign up to web page

- The student provides necessary details, including student email, and password.
- The system validates the information and creates a profile.
- A confirmation message is sent to the student upon successful registration.

Login to dashboard

- The student enters login credentials.
- The system verifies the credentials and grants access.
- If incorrect, an error message is displayed.

Update credentials

- The student accesses the profile settings.
- The student updates personal information or password.
- The system validates and saves the changes.
- A success message confirms the update.

Download document

- The student selects a document from the system.
- The document is downloaded to the student’s device.

Upload document

- The student selects a document to upload.
- The document is stored and sent for verification.

Verify document

- The administrator reviews the uploaded document.
- If valid, the document is approved.
- If not, the document is rejected.

Check availability

- The student searches for available tutors.
- The system displays available tutors based on schedule.

Request appointment

- The student selects an available tutor.
- The tutor confirms availability of he requested time slot.

Reschedule appointment

- The tutor modifies an appointment due to a conflict.
- The student is notified of the new schedule.

Setup meeting

- The tutor sets up a meeting with the student.

Remind student of event

- The system sends reminders before scheduled events.
- The student receives a notification of events.

Calculate predicate

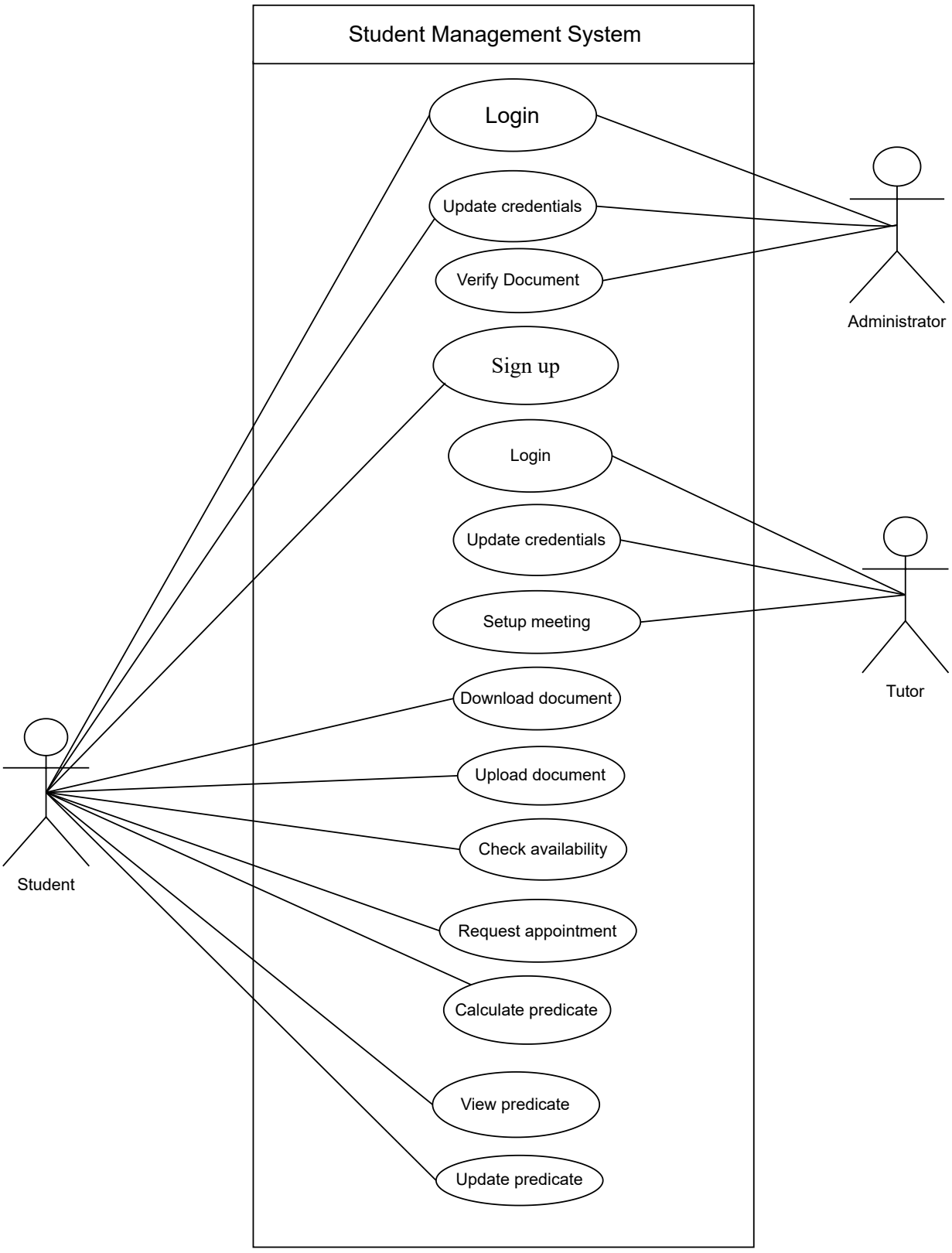
- The student inputs marks for various tests and assignments.
- The system calculates the predicate mark based on predefined formulas.

View predicate marks

- The student accesses the predicate marks section.
- The system displays the calculated marks.

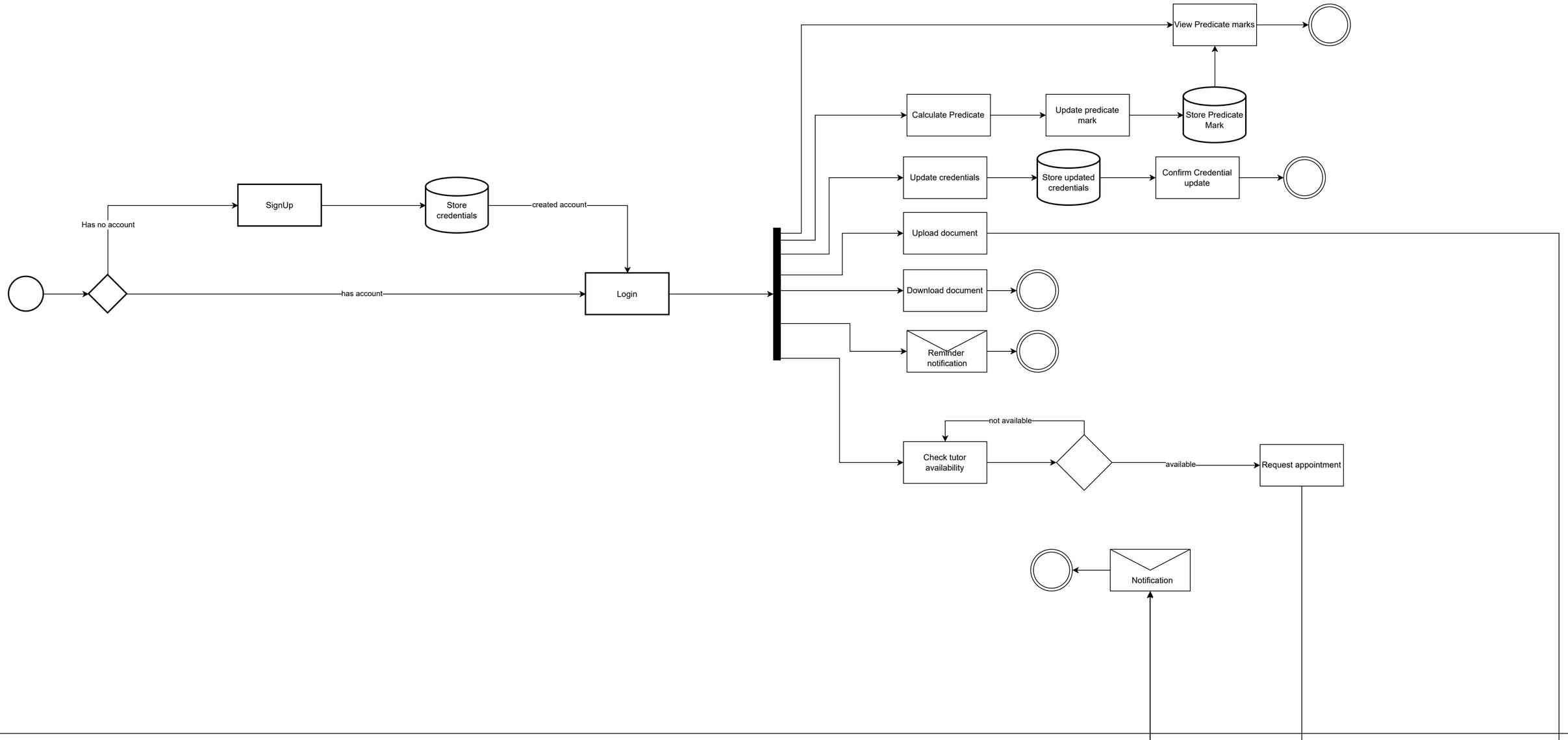
Update predicate mark

- The student modifies assessment marks.
- The system updates and recalculates the predicate mark.

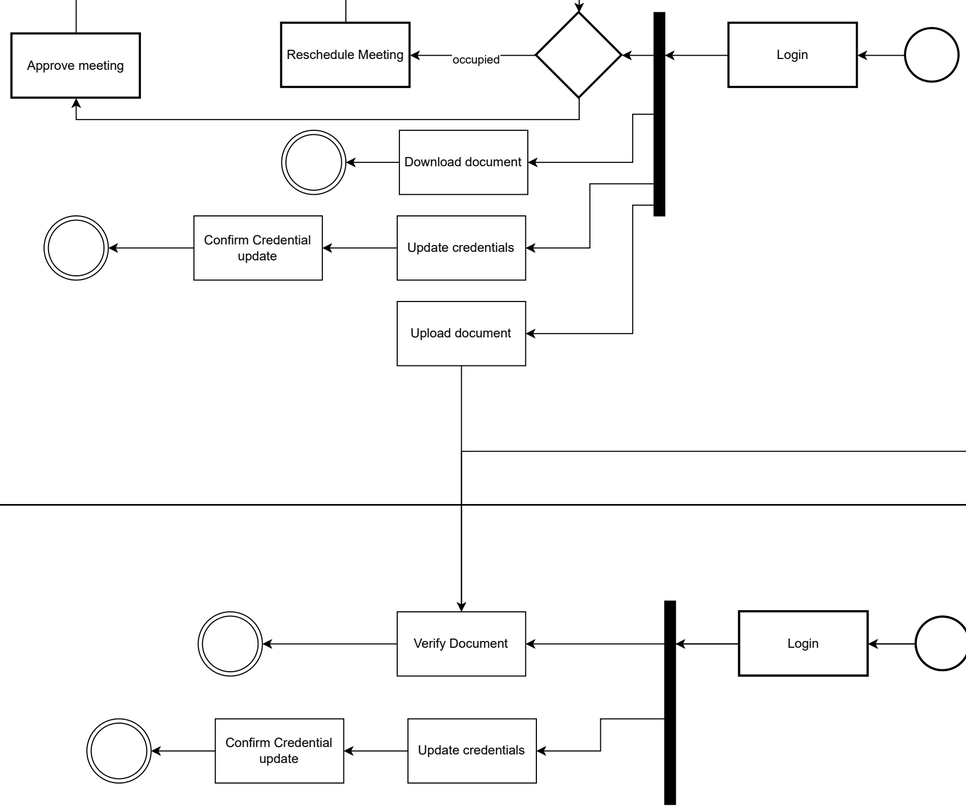

Student Management System
Login
Update credentials
Verify Document
Sign up
Login
Update credentials
Setup meeting
Download document
Upload document
Check availability
Request appointment
Calculate predicate
View predicate
Update predicate
Administrator
Tutor
Student

TutorPal

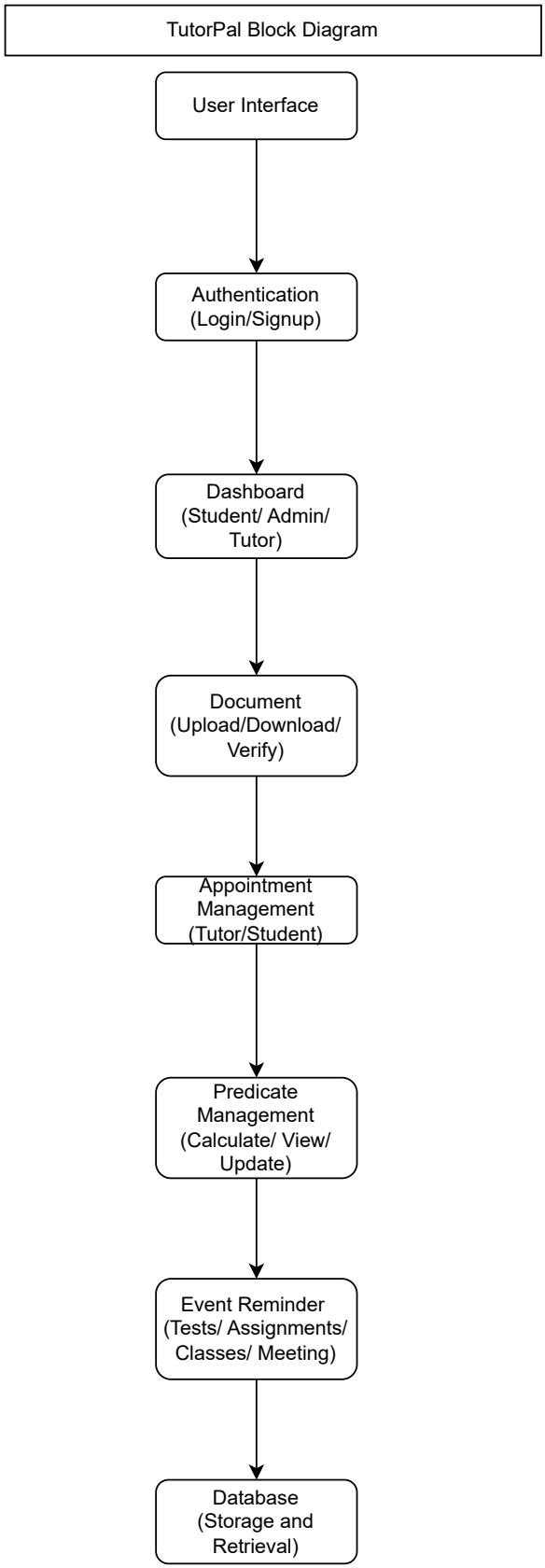
Student



Tutor



Admin

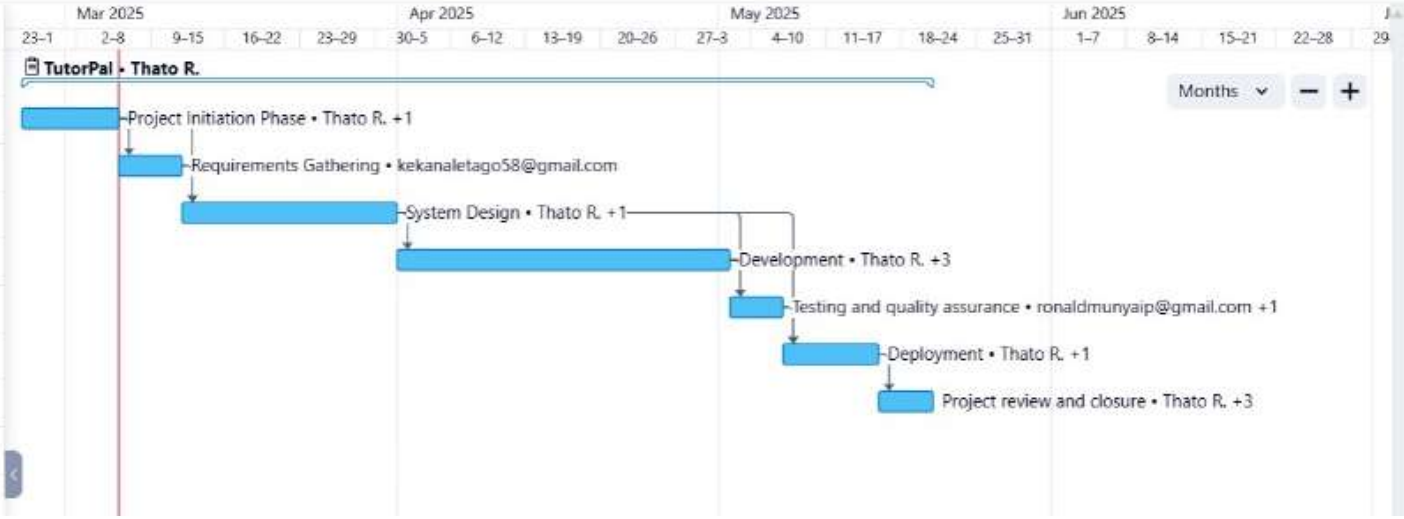

TutorPal Block Diagram
User Interface
Authentication (Login/Signup)
Dashboard (Student/ Admin/ Tutor)
Document (Upload/Download/ Verify)
Appointment Management (Tutor/Student)
Predicate Management (Calculate/ View/ Update)
Event Reminder (Tests/ Assignments/ Classes/ Meeting)
Database (Storage and Retrieval)

First space

Automation | Share | 14 trial days left

TutorPal

Info

Gantt Chart | + View | All tasks | Predecessors (Cascade) | Expand | Public snapshots

	Name	Start date	Due date	Predecessors
1	**TutorPal**			
2	Project Initiation Phase	25/02/2025	05/03/2025	
3	Requirements Gatheri...	06/03/2025	11/03/2025	2FS
4	System Design	12/03/2025	31/03/2025	2FS, 3FS
5	Development	01/04/2025	01/05/2025	4FS
6	Testing and quality as...	02/05/2025	06/05/2025	4FS, 5FS
7	Deployment	07/05/2025	15/05/2025	4FS, 5FS, 6FS
8	Project review and cl...	16/05/2025	20/05/2025	7FS
+	Item