EASY LEARNING ACADEMY

ENJOY A PERSONALIZED, FUN, AND INTERACTIVE LEARNING PROCESS AND MAKE YOUR BASIC STRONG.

SUPERVISED BY

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GROUP MEMBERS

MOHAMMED JAMSHED ALAM

19-41727-3

MD. MAHIM TALUKDER

19-41621-3

ARPITA DATTA

19-41608-3

SAYED SYFUZZAMAN

19-41718-3

PROJECT DESCRIPTION

- Build a platform where someone can take their first steps of learning programming.

- Give interesting learning material to learn programming on their own.

- The goal of our project is to help anyone who wishes to learn programming.

- There will be different types of content such as interactive videos, animations, games etc.

- Inform everyone the importance of programming and how programming affects our day-to-day life.

- We want the next generation of programmers to be better than us, to do better work than us, to reach higher level than us.

USE CASE
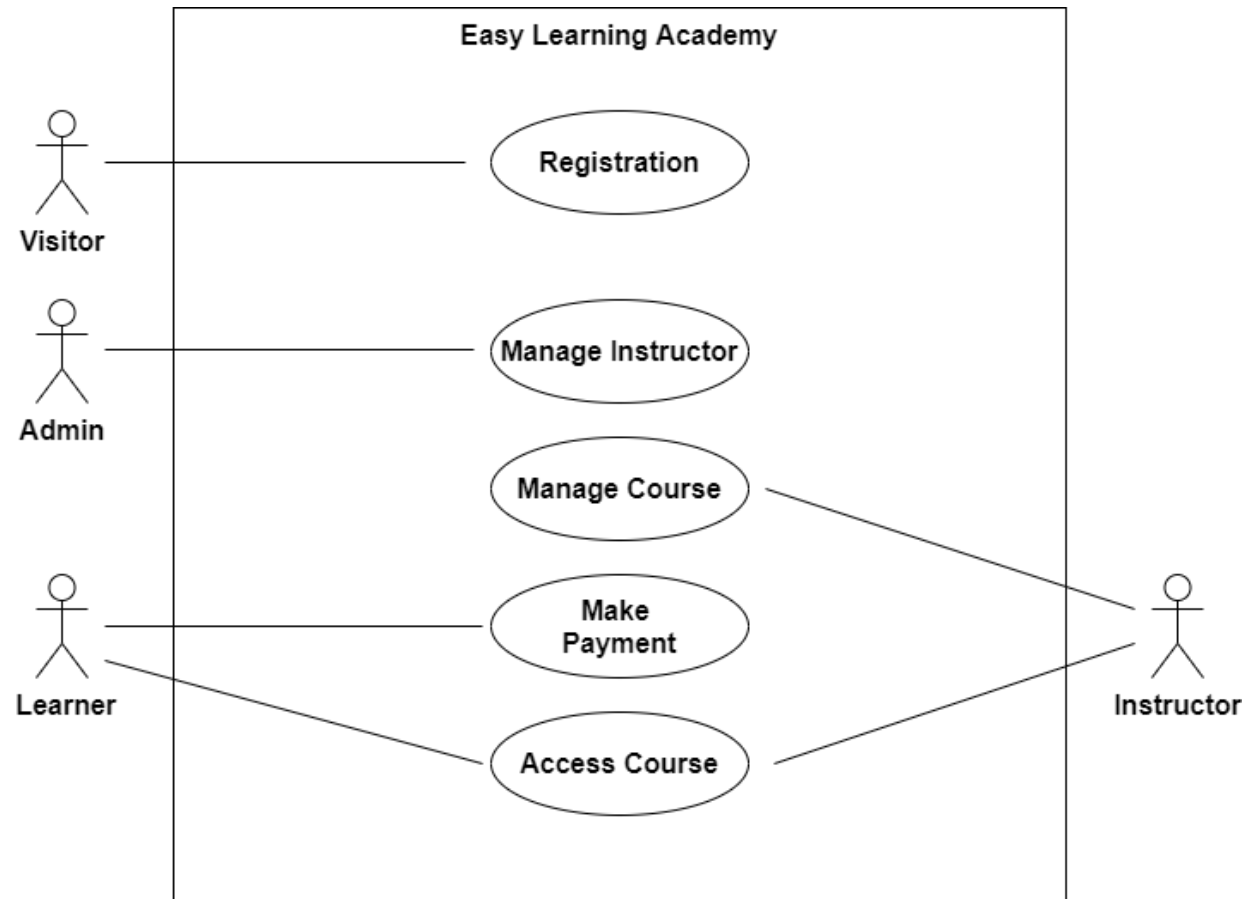
USER STORY CARD

Title: Registration	Priority: Medium	Estimate: 7 days

As a visitor
I want to register either as an instructor or a learner
So that I can teach courses or access and learn from courses.

Acceptance Criteria:

Given a visitor is studying or has completed studying in Computer Science or related fields
Then they can join the platform as an instructor.

If a visitor is in or above class 8
When they submit all of the required information
Then they can join the platform as a learner.

Title: Manage Instructor	Priority: High	Estimate: 14 days

As an admin
I want to manage all aspects of an instructor
So that I can do tasks such as approving instructors, assigning courses, giving payments etc.

Acceptance Criteria:

Given an admin has the correct credentials
Then when they log in as admins
Then they will have access to a menu where they can choose different options to complete different management tasks.

Title: Manage Course	Priority: High	Estimate: 14 days

As an instructor
I want to manage courses
So that I can add new materials, arrange and grade quizzes, see student's progress etc.

Acceptance Criteria:

If an instructor has been approved by an admin
Then when they log in they can access the instructor features such as adding new materials, helping the students who requested for help, managing quizzes etc.
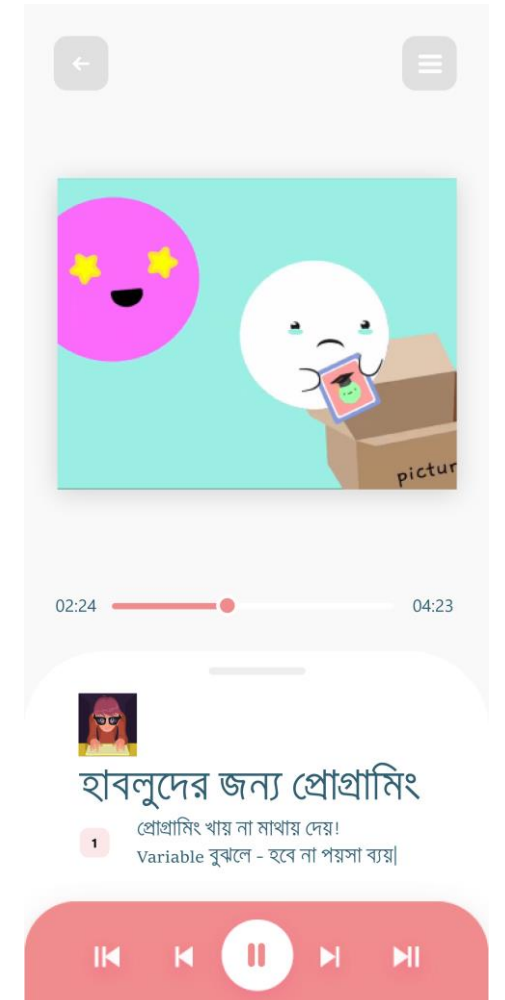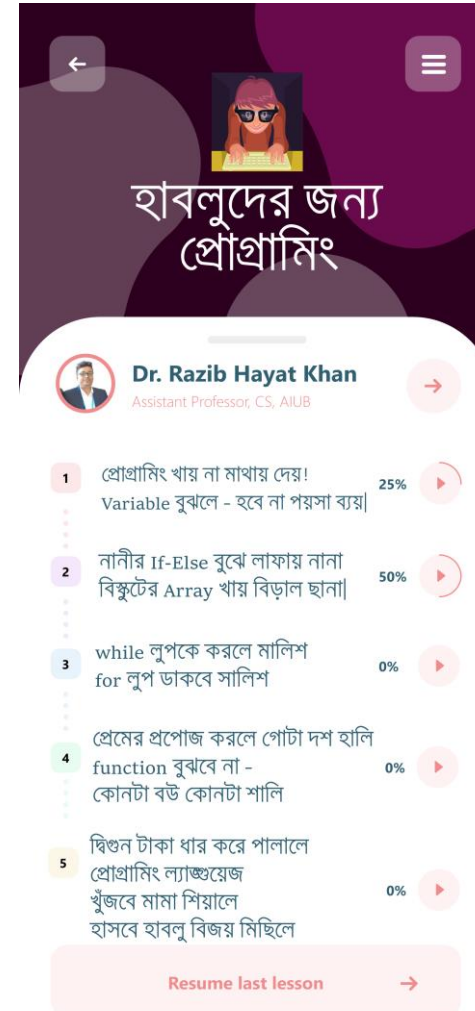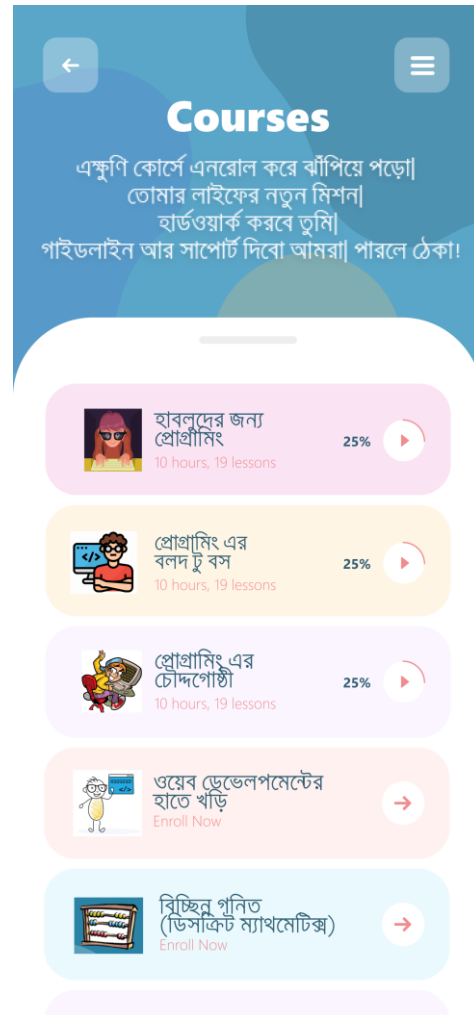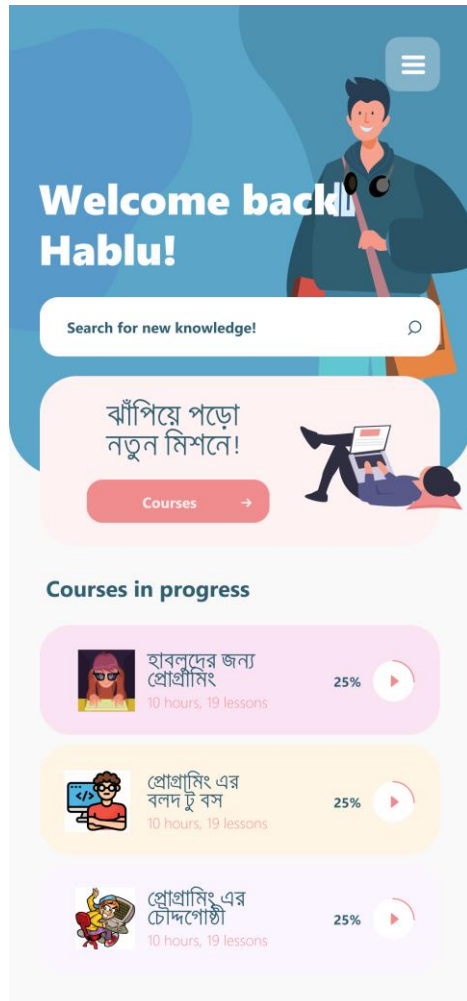
USER STORY CARD

Title: Access Course	Priority: High	Estimate:14 days

As a learner
I want to access courses
So that I can learn programming.

Acceptance Criteria:

If a learner has completed payment
When they login
Then they can view all the materials provided, attend quizzes, check their study time. They can also post any questions they have where they can receive help from the instructors.

Title: Payment	Priority: Medium	Estimate: 7 days

As a learner admin
I want to make payment
So that I can access courses.

Acceptance Criteria:

If a learner has completed registration
When if they choose the option to make payment
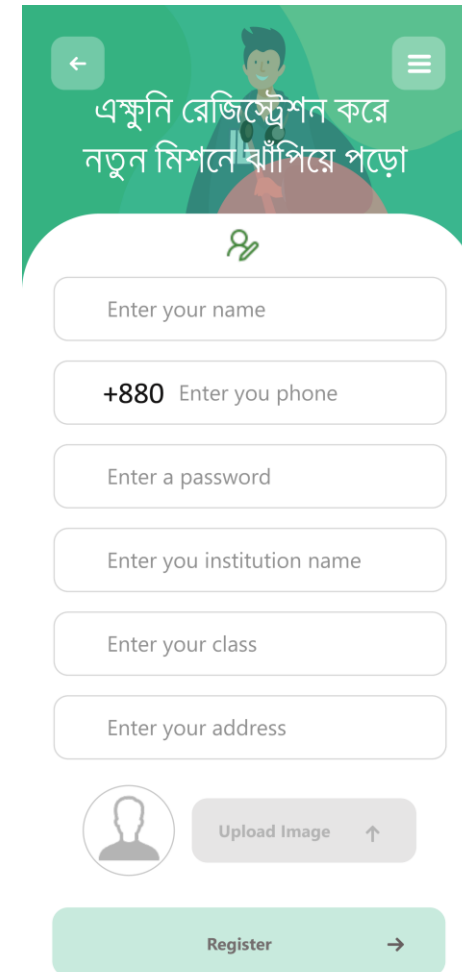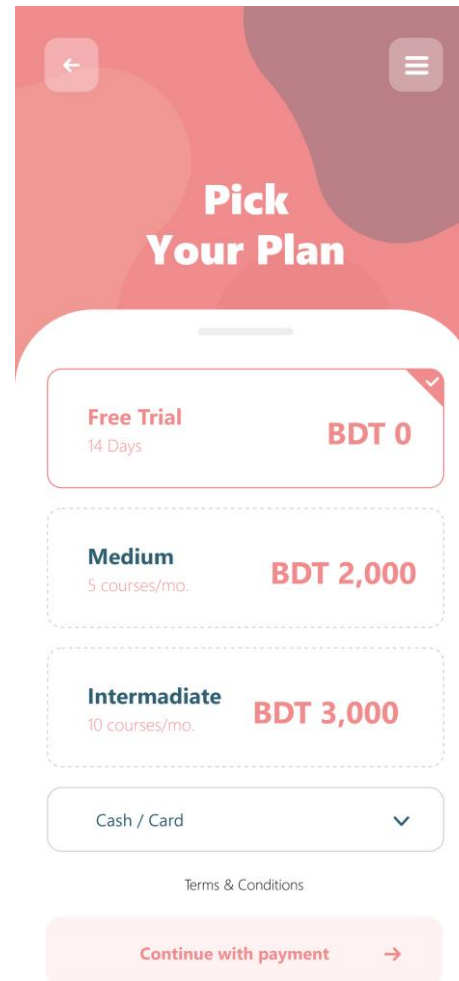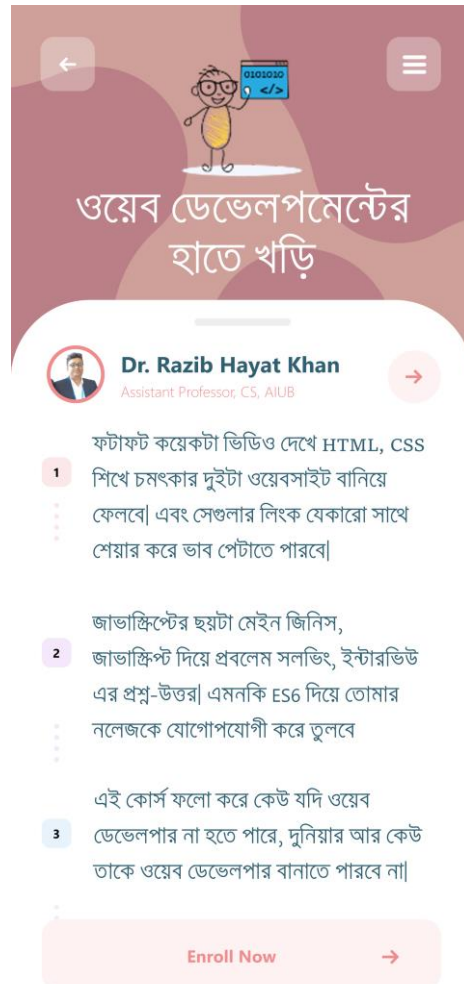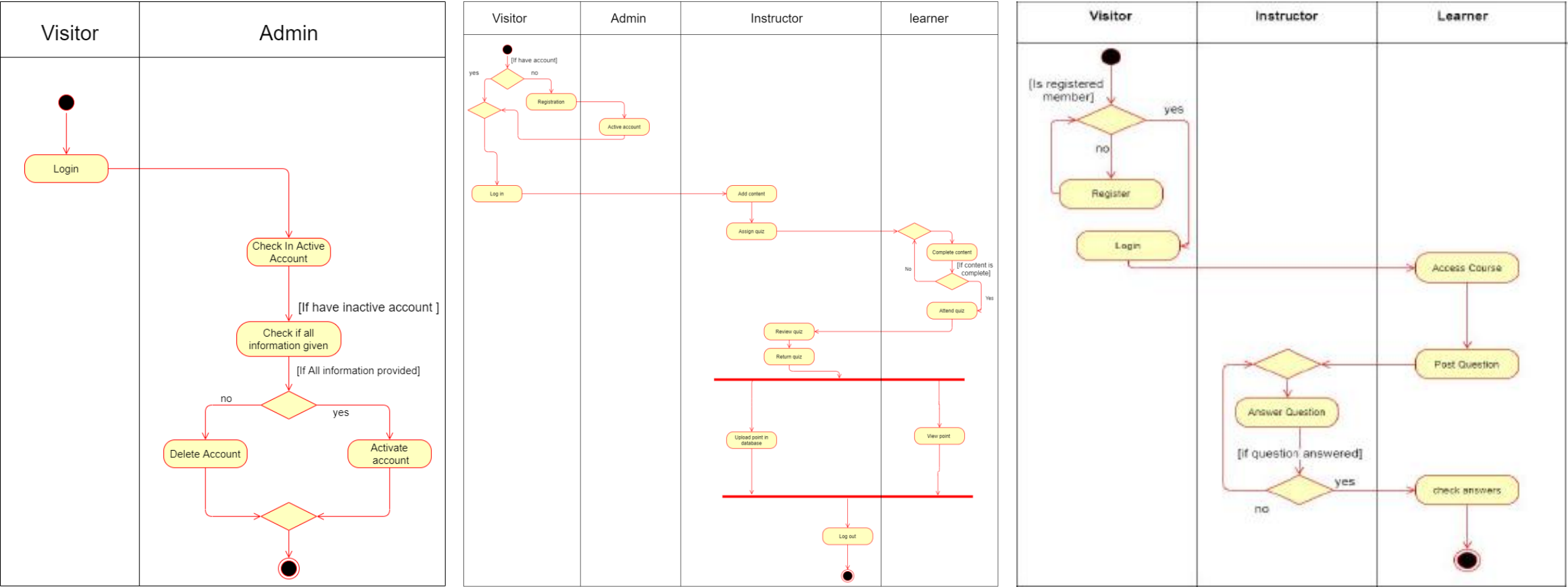**Then** they can select from different methods of payment.

USER INTERFACE DESIGN

USER INTERFACE DESIGN

ACTIVITY DIAGRAM

JIRA

JIRA
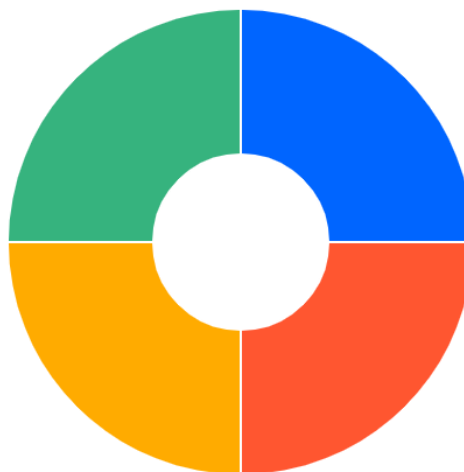
Issues

Export issues ⌄ | Go to advanced search | LIST VIEW ≔ | DETAIL VIEW ≣ | •••

Search issues 🔍 | **Project: Easy Learning Academy** ⌄ | Assignee ⌄ | Reporter ⌄ | Status ⌄ | Type ⌄ | Status Category ⌄ | BASIC JQL

Type	Key	Summary	Assignee	Reporter	P	Status	Created ↓
☑	ELA-16	Project Schedule and Budgeting 2	Sayed Syfuzzaman	MD Mahim Talukder	⌃	DONE ⌄	Aug 1, 2021 •••
☑	ELA-15	Project Schedule and Budgeting 1	MD Mahim Talukder	MD Mahim Talukder	⌃	DONE ⌄	Aug 1, 2021
☑	ELA-14	Class Diagram 2	Arpita Datta	MD Mahim Talukder	⌃	DONE ⌄	Aug 1, 2021
☑	ELA-12	Class Diagram 1	Mohammed Jamshed Alam	MD Mahim Talukder	⌃	DONE ⌄	Jul 12, 2021
☑	ELA-8	Design Activity Diagram-2	Mohammed Jamshed Alam	MD Mahim Talukder	⌃	DONE ⌄	Jul 8, 2021
☑	ELA-7	Design Activity Diagram-1	MD Mahim Talukder	MD Mahim Talukder	⌃	DONE ⌄	Jul 8, 2021
☑	ELA-6	Design User Story Card-2	Sayed Syfuzzaman	MD Mahim Talukder	⌃	DONE ⌄	Jul 8, 2021
☑	ELA-5	Design User Story Card-1	Arpita Datta	MD Mahim Talukder	⌃	DONE ⌄	Jul 8, 2021
☑	ELA-4	User Interface Design	Sayed Syfuzzaman	MD Mahim Talukder	⌃	DONE ⌄	Jul 8, 2021
☑	ELA-3	Design Use Case	MD Mahim Talukder	MD Mahim Talukder	⌃	DONE ⌄	Jul 8, 2021
☑	ELA-2	Requirement analysis	Mohammed Jamshed Alam	MD Mahim Talukder	⌃	DONE ⌄	Jul 8, 2021
☑	ELA-1	Idea Generation	Arpita Datta	MD Mahim Talukder	⌃	DONE ⌄	Jul 8, 2021

📣 Give feedback | 1-12 of 12 | ‹ 1 ›

JIRA

Group 6

Open team

Picture this. It's next week. You're having a big team meeting. But wait - everyone's already aligned. Why? Because you filled in an amazing description right here.

Add people   **...**

Members
4 members

MD Mahim Talukder
CS Engineer

Arpita Datta   **...**
CS Engineer

Mohammed Jamshed Alam
Software Engineer

Sayed Syfuzzaman
Software Engineer

Worked on

- ☑ **ELA-16 Project Schedule and Budgeting 2**
  Easy Learning Academy · You and Sayed Syfuzzaman have both worked on this

- ☑ **ELA-12 Class Diagram 1**
  Easy Learning Academy · You, Arpita Datta and Mohammed Jamshed Alam have all worked on this

- ☑ **ELA-6 Design User Story Card-2**
  Easy Learning Academy · You, Arpita Datta and Sayed Syfuzzaman have all worked on this

- ☑ **ELA-15 Project Schedule and Budgeting 1**
  Easy Learning Academy · You and Arpita Datta have both worked on this

- ☑ **ELA-1 Idea Generation**
  Easy Learning Academy · You and Arpita Datta have both worked on this

- ☑ **ELA-2 Requirement analysis**
  Easy Learning Academy · You and Mohammed Jamshed Alam have both worked on this

- ☑ **ELA-8 Design Activity Diagram-2**
  Easy Learning Academy · You and Mohammed Jamshed Alam have both worked on this

- ☑ **ELA-4 User Interface Design**
  Easy Learning Academy · You and Sayed Syfuzzaman have both worked on this

- ☑ **ELA-3 Design Use Case**
  Easy Learning Academy · You and Arpita Datta have both worked on this

- ☑ **ELA-7 Design Activity Diagram-1**
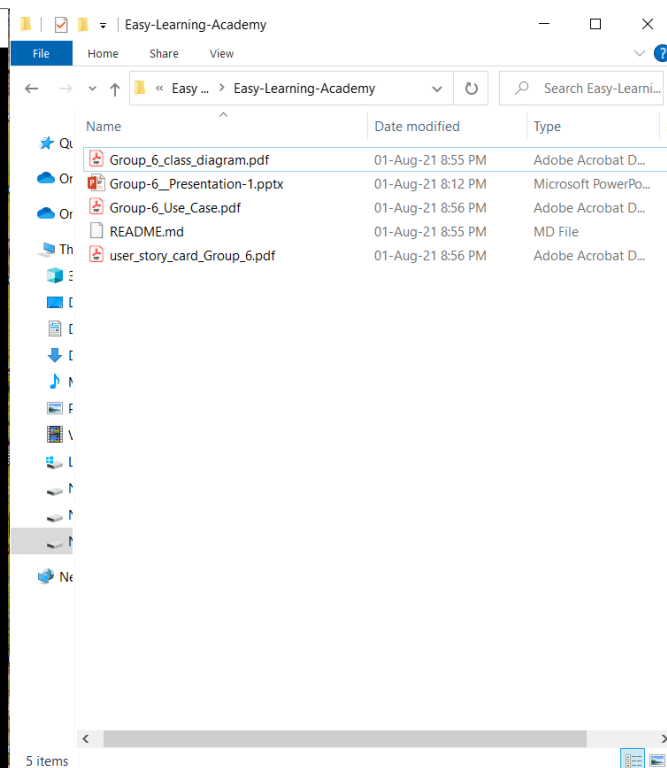 Easy Learning Academy · You and Arpita Datta have both worked on this

Links   +

GIT

CLASS DIAGRAM

Admin

<<User>> Admin
+ ManageInstructor(instructorobj: Instructor): void
+ ActivateAccount(instructorobj: Instructor): void

Visitor

<<User>> Visitor
- name: string
- phoneNO: string
- currentClass: string
- password: string
- email: string
+ RegisterAsInstructor(): void
+ RegisterAsLearner(): void
+ Login(): void

Learner

<<User>> Learner
- name: string
- email: string
- password: string
- currentClass: string
- phoneNO: string
- learnerID: string = none {assigned by system}
+ setName(name : string)
+ getName(): string
+ setEmail(email: string)
+ getEmail(): string
+ setPassword(password: string)
+ getPassword(): string
+ setCurrentClass(currentClass: string)
+ getCurrentClass(): string
+ setPhoneNO(phoneNO: string)
+ getPhoneNO(): string
+ setLearnerID()
+ getLearnerID(): string
+ AccessCourse(): void
+ AccessCourseMaterial(): void
+ AttendQuiz(): void
+ PostQuestion(): void
+ CheckAnswers(): void

Instructor

<<User>> Instructor
- name: string
- email: string
- password: string
- currentClass: string
- phoneNO: string
- instructorID: string = none {assigned by system}
+ setName(name : string)
+ getName(): string
+ setEmail(email: string)
+ getEmail(): string
+ setPassword(password: string)
+ getPassword(): string
+ setCurrentClass(currentClass: string)
+ getCurrentClass(): string
+ setPhoneNO(phoneNO: string)
+ getPhoneNO(): string
+ setLearnerID()
+ getLearnerID(): string
+ ManageCourse(): void
+ ManageCourseMaterial(): void
+ AccessCourse(): void
+ CheckQuiz(): void
+ AnswerQuestion(): void

PROJECT SCHEDULE SUMMARY

Project Schedule Summary

A : Requirements Analysis 1	F : Designing 2	L : Coding Module 3
B : Requirements Analysis 2	G : Designing 3	M : Testing
C : Requirements Analysis 3	H : Designing 4	N : Implementation
D : Requirements Analysis 4	I : Create GIT repository	O : Operation
E : Designing 1	J : Coding Module 1	P : Documentation
	K : Coding Module 2	

Task: Person / Week	1	2	3	4	5	6	7	8
A: Arpita Datta	■							
B: Mahim Talukdar	■							
C: Sayed Syfuzzaman		■						
D: Mohammed Jamshed Alam			■					
E: Arpita Datta				■	■	■		
F: Mahim Talukdar					■	■		
G: Sayed Syfuzzaman						■	■	
H: Mohammed Jamshed Alam							■	■

PROJECT SCHEDULE SUMMARY

Task: Person / Weeks	9	10	11	12	13	14	15	16	17	18	19	20
I: Arpita Datta	■											
J: Md. Mahim Talukder		■	■	■								
K: Mohammed Jamshed Alam		■	■	■								
L: Sayed Syfuzzaman		■	■	■								
M: Mohammed Jamshed Alam					■	■	■					
N: Arpita Datta								■	■			
O: Md. Mahim Talukder										■	■	
P: Sayed Syfuzzaman												■

BUDGET

Constructive Cost Model:

Project Type : Organic

Coefficient_{\<Effort Factor>} : 2.4 [P=1.05 ; T=0.38]

SLOC = 10,000 Lines

Person Month, PM $= (2.4 * 10^{1.05}) = 26.928$

Development Time, DM $= (2.5 * 26.928^{0.38}) = 8.738 = 9$ Months $= 1584$ Working

Hour Required People, ST $=$ PM/DM $= 3.082 = 3$ People

Field of Expense	Amount
Developer Salary	792,000/-
Requirement Analysis Expense	52,800/-
Transportation Cost	15,000/-
Training & Hardware Expenses	125,000/-
Rent Expenses (for 9 months)	135,000/-
Utilities (for 9 Months)	25,000/-
Maintenance Expense (for 9 Months)	72,000/-
Project Manager wage	225,000/-
Project Accountant wage	45,000/-
Profit [25%]	371,700/-
Total	1,858,500/-

SUMMARY

- We are trying to help students of young age who want to learn programming

- Ensure everyone has the right tools and materials

- The goal of our project is to help anyone who wishes to learn programming.

- Reach out to as many people we can and share the knowledge of programming

THANKS FOR WATCHING!