

Software Engineering Project

Sep 25 - Team 38
Milestone 2



Team Members

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Storyboards Slide Deck

[Storyboard PPT](#)

Wireframes Pre-Feedback

Login

EduAssist

Sign in to your account

Email

Password

Login

[Take me to Sign up](#)

[Forgot Password?](#)



Register

EduAssist

Create your account

Name

Email

Password

Course Code

TA Role Verification



[Create Account](#)

Already have an account? [Login](#)

Landing Dashboard

EduAssist
AI Teaching Assistant

- Knowledge Assistant**
- Study Guide Generator
- Admin Workflow Agent
- Assessment Generator
- Slide Deck Creator

EduAssist

Dashboard

AI Tools



Knowledge Assistant Get instant answers to student queries.	Study Guide Generator Generate comprehensive study guides.	Admin Workflow Agent Automate administrative tasks.	Assessment Generator Create assessments quickly.	Slide Deck Creator Design engaging slide decks.
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Analytics

Time Saved

25 hours

+10%

AI Knowledge Assistant

EduAssist

Dashboard Analytics Settings 

AI Knowledge Assistant

Search student questions

Recent Questions

What is quantum entanglement? 2 hours ago

Al Response: The concept of 'quantum entanglement' refers to a physical phenomenon where two or more particles become linked in such a way that they share the same fate, even when separated by large distances. This means that the quantum state of each particle cannot be described independently of the state of the others, even if the particles are far apart. When you measure a property of one particle, you instantly know the corresponding property of the other particle, regardless of the distance between them. This is because the particles are entangled, and their fates are intertwined. This concept is fundamental to quantum mechanics and has been experimentally verified. It's important to note that entanglement does not allow for faster-than-light communication, as the measurement outcome on one particle is random and cannot be controlled to send a specific message.
Confidence: High

Explain the Central Limit Theorem. 4 hours ago

Al Response: The 'Central Limit Theorem' (CLT) is a fundamental concept in probability theory and statistics. It states that the distribution of the sum (or average) of a large number of independent, identically distributed random variables will be approximately normally distributed, regardless of the original distribution of the variables. This holds true as long as the random variables have a finite variance. If you randomly sample from any population (with a finite variance) and calculate the mean of each sample, the distribution of these sample means will tend towards a normal distribution as the sample size increases. The CLT is crucial because it allows us to make inferences about population parameters (like the mean) even when we don't know the exact distribution of the population, as long as we have a sufficiently large sample size.
Confidence: Medium

What is the Traveling Salesman Problem? 6 hours ago

Al Response: The 'Traveling Salesman Problem' (TSP) is a classic optimization problem in computer science and operations research. It asks the following question: Given a list of cities and the distances between each pair of cities, what is the shortest possible route that visits each city exactly once and returns to the origin city? This problem is NP-hard, meaning that there is no known efficient algorithm to find the optimal solution for large numbers of cities. However, there are various heuristic and approximation algorithms that can find good solutions in a reasonable amount of time. The TSP has many practical applications, such as in logistics, transportation, and circuit board design, where finding the most efficient route is crucial.
Confidence: Low

AI Response

The concept of 'quantum entanglement' refers to a physical phenomenon where two or more particles become linked in such a way that they share the same fate, even when separated by large distances. This means that the quantum state of each particle cannot be described independently of the state of the others, even if the particles are far apart. When you measure a property of one particle, you instantly know the corresponding property of the other particle, regardless of the distance between them. This is because the particles are entangled, and their fates are intertwined. This concept is fundamental to quantum mechanics and has been experimentally verified. It's important to note that entanglement does not allow for faster-than-light communication, as the measurement outcome on one particle is random and cannot be controlled to send a specific message.

Citations

Quantum Mechanics: Concepts an...
Experimental Verification of Quant...

Analytics Summary

Total Questions	120
Answered	105
Unanswered	15

Maps to User Story #3, #4, #6

Study Guide Generator

The screenshot displays the EduAssist AI Teaching Assistant interface. At the top, there's a navigation bar with 'EduAssist' and 'AI Teaching Assistant' on the left, and 'Features', 'Analytics', 'Settings', and a user icon on the right. Below the navigation is a sidebar with 'Dashboard', 'Content Priority Tagger' (which is selected and highlighted in grey), 'Study Guide Generator', and 'Confusion Heatmap'. The main content area is titled 'Content Priority Tagger'. It features a large dashed box labeled 'Upload Lecture Video' with the sub-instruction 'Drag and drop or browse' and a central 'Upload' button. Below this is a section titled 'Timeline with Priority Tags' containing the following list:

- Introduction to AI
High Priority
- Machine Learning Basics
Medium Priority
- Deep Learning Concepts
High Priority
- Advanced AI Techniques
Low Priority
- Conclusion and Q&A
Medium Priority

Underneath this is a section titled 'Generated Study Guide' with the following text:
Based on the lecture video and priority tags, a study guide has been generated to help students focus on key concepts and areas of high importance. This guide includes summaries, key terms, and practice questions.

At the bottom of the main content area is a link labeled 'Confusion Heatmap'.

Maps to User Story #1, #2

Admin Workflow Agent

EduAssist

Features Analytics Settings

Inbox

Drafts

Sent

Archived

Deleted

Extension Requests

Student: Ethan Clark
Assignment 2 - Deadline Extension 2d ago

Request Summary

Ethan Clark, a student in your class, has requested an extension for Assignment 2 due to a family emergency. They have attached supporting documentation. The student's current grade in the course is a B+, and they have not requested any extensions previously.

AI Recommendation

Based on the student's academic history, the provided documentation, and the course extension policy, the AI recommends approving the extension request.

Draft Email

Email Preview

Deny **Approve**

Maps to User Story #5, #8, #9

Assessment Generator

The screenshot shows the 'Automated Assessment Generator' page of the EduAssist platform. The top navigation bar includes links for 'Features', 'Analytics', 'Settings', a notification bell, and a user profile icon. On the left, a sidebar lists 'Automated Assessment Generator' (selected), 'Assessment Review', 'Feedback Analysis', 'Performance Tracking', and 'Resource Library'. The main content area is titled 'Automated Assessment Generator' and contains 'Assessment Configuration' settings: a dropdown menu labeled 'Select', a 'Difficulty Level' slider set to 50, and a text input field for 'Number of Questions'. Below this is a 'Generated Questions' section displaying a table of generated questions:

Question	Marks
Explain the concept of recursion with an example.	5
What are the differences between arrays and linked lists?	4
Describe the time complexity of binary search.	3
Implement a function to reverse a string.	6
Discuss the advantages and disadvantages of using a hash table.	4

Maps to User Story #2

Slide Deck Generator

EduAssist

Features Analytics Settings

Generate Slides

Edit Slides

Export Slides

Present Slides

Feedback

Slide Deck Generator

Session Topic

Upload Notes

Generate Outline

AI-Generated Outline

Introduction to Machine Learning

Supervised Learning

Unsupervised Learning

Reinforcement Learning

Conclusion

Slide Preview

Slide 1 Slide 2 Slide 3 Slide 4 Slide 5

Styling Template

Academic Minimal Professional

Maps to User Story #1, #2

User Feedback Video

[User Feedback Video](#)

[User Feedback Summary](#)

Wireframes Post-Feedback

Changes/Additions Only

Study Guide (with Student Feedback Section)

EduAssist

Features Analytics Settings

EduAssist
AI Teaching Assistant

Dashboard Content Priority Tagger Study Guide Generator Confusion Heatmap Student Feedback

Student Feedback

Rate this study guide ★★★★☆

Feedback for TA

Was this helpful?

Yes No

What could be improved?

The screenshot shows the 'Student Feedback' section of the EduAssist platform. At the top, there's a navigation bar with 'EduAssist' and links for 'Features', 'Analytics', and 'Settings'. Below that, the 'Student Feedback' section has a heading 'Rate this study guide' followed by a yellow star rating icon. There's a button labeled 'Feedback for TA'. Underneath, there's a question 'Was this helpful?' with two buttons: 'Yes' and 'No'. At the bottom, there's a question 'What could be improved?' followed by a large, empty text input field.

Slide Generator (with Student Feedback)

EduAssist

Features Analytics Settings  

 Generate Slides

 Edit Slides

 Export Slides

 Present Slides

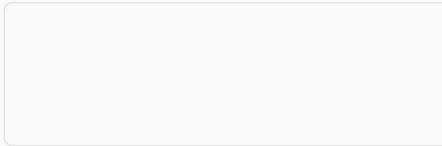
 Feedback

 Student Feedback

Student Feedback

End slide or slide deck footer: Feedback on this presentation

Comments



Assessment Generator (with Student Feedback)

EduAssist

Features Analytics Settings

Automated Assessment Generator

Generated Questions

Question	Marks
Explain the concept of recursion with an example.	5
What are the differences between arrays and linked lists?	4
Describe the time complexity of binary search.	3
Implement a function to reverse a string.	6
Discuss the advantages and disadvantages of using a hash table.	4

Student Feedback

1 Star 2 Stars 3 Stars 4 Stars 5 Stars

1 Star 2 Stars 3 Stars 4 Stars 5 Stars

Wireframe References for Clarity (Figma)

[Wireframe Before Feedback](#)

[Wireframe After Feedback](#)