

Sprint	Type	Features	Acceptance Criteria	Status	End Date	Tested By				
Functional Requirements										
	User Registration and Authentication									
			- A user can create or log in their accounts using their email address and password.	Pass	11/24/24	Dhuke				
			- A user can log out of their account securely.	Pass	11/24/24	Dhuke				
			- A user can reset their password if forgotten or compromised.	Pass	11/24/24	Dhuke				
	Administrative Features									
			- A user can manage student accounts, including adding, updating, and removing students from the platform.	Pass	12/1/24	Dhuke				
			- A user can manage the content on the platform by uploading, editing, and deleting tutorials, exercises, and other learning materials.	Pass	12/1/24	Dhuke				
			- A user can configure platform settings, adjusting system preferences, and administrative controls from a centralized interface.	Pass	12/1/24	Dhuke				
	Tutorials									
			- A user can search for tutorials using the search bar.	Pass	12/3/24	Dhuke				
			- A user can view tutorials on Java, C#, and Python, organized by beginner, intermediate, and advanced levels.	Pass	12/3/24	Dhuke				
			- A user can access tutorial videos to learn coding concepts.	Pass	12/3/24	Dhuke				
			- A user can mark a tutorial as complete to track their learning progress.	Pass	12/6/24	Dhuke				
			- A user can resume a tutorial from where they left off.	Pass	12/6/24	Dhuke				
	Exercise and Tests									
			- A user can attempt coding exercises to practice what they have learned from tutorials.	Pass	12/7/24	Dhuke				
			- A user can submit answers for exercises to receive feedback.	Pass	12/7/24	Dhuke				
			- A user can view automated test results to check if their code is correct.	Pass	12/7/24	Dhuke				
			- A user can do repeat exercises to improve their skills.	Pass	12/7/24	Dhuke				
	Built-in Code Editor									
			- A user can write and execute code directly on the platform using the built-in code editor.	Pass	12/2/24	Dhuke				
			- A user can receive real-time feedback on syntax and code errors.	Pass	12/2/24	Dhuke				
			- A user can run test cases within the code editor to verify the correctness of their code.	Pass	12/6/24	Dhuke				
			- A user can save their code and resume editing later.	Pass	12/2/24	Dhuke				
	AI Integrated Chatbot									
			- A user can ask questions related to tutorials or coding challenges using the AI-integrated chatbot.	Pass	12/9/24	Dhuke				
			- A user can receive guidance from the chatbot without receiving direct answers, encouraging learning rather than copying.	Pass	12/9/24	Dhuke				
			- A user can access explanations or hints from the chatbot when they are stuck on a coding problem.	Pass	12/9/24	Dhuke				
			- A user can ask for additional resources from the chatbot, such as further reading or example problems.	Pass	12/10/24	Dhuke				
Non-Functional Requirements										
	Performance									
			- The system should not load any further than 2 seconds in an average case situation.	Pass	12/12/24	Dhuke				
			- Mobile Responsiveness of The website	Fail	12/12/24	Dhuke				
	Reliability									
			- The system has a 99.9% uptime assurance, and provision of backup storage within a period of 24 hours to preserve and protect data.	Pass	12/12/24	Dhuke				
	Portability									
			- The system is available through web browsers, it cannot be deployed in several environments but must allow access through smartphones and tablets.	Pass	12/12/24	Dhuke				
	Availability									
			- The system should be provided to users around-the-clock with the average monthly downtime not exceeding one hour in a month for maintenance purposes.	Pass	12/11/24	Dhuke				
	Security									
			- The system must keep all users' credentials encrypted at rest and in transit with strong standards.	Pass	12/11/24	Dhuke				
	Extensibility									
			The system must be such that it accommodates the development of new and the adding of external features without much disruption to the current features as will ease developments in the future.	Pass	12/12/24	Dhuke				
	SYSTEM REQUIREMENTS									
			The system shall be able to differentiate access levels for students and administrators.	Pass	12/9/24	Dhuke				
			- Upon successful login, the system shall provide users with secure access to all available features, including tutorials, exercises, and the AI-driven chatbot.	Pass	12/9/24	Dhuke				

		- The system shall be able to provide a navigation bar that links to the per feature webpages.	Pass	12/12/24	Dhuke				
		- The system shall allow users to search for tutorials, exercises, or specific topics using the search bar, providing relevant results based on keywords entered.	Pass	12/11/24	Dhuke				
		- The system's homepage should offer an intuitive interface with clickable links for easy access.	Pass	12/6/24	Dhuke				
		- The system shall generate a list of tutorials when the user selects a programming language.	Pass	12/10/24	Dhuke				
		- The system should provide exercises or tests based on the user's preferred programming language.	Pass	1/5/25	Dhuke				
		- The system shall generate a score after submission of answers in exercises or tests.	Pass	1/5/25	Dhuke				
		- The system shall compile and execute the user's code upon submission and return feedback regarding syntax and logic errors.	Pass	1/5/25	Dhuke				
		- On receiving a query, the system shall provide personalized, AI-driven guidance for coding challenges, with the chatbot offering hints instead of complete answers to promote learning.	Pass	1/6/25	Dhuke				
		- The system shall send messages to the administrator when a user submits a query.	Pass	1/4/25	Dhuke				
<b>Sprint 1</b>	<b>Creates an Account</b>								
		- User visits the sign-up page of the system.	Pass	11/9/24	Dhuke				
		- User fills out the required information fields(Email, Username, Password)	Pass	11/9/24	Dhuke				
		- User registers the sign up form.	Pass	11/9/24	Dhuke				
		- The system verifies the email provided.	Pass	11/14/24	Dhuke				
		- The systems sends a confirmation email to the user's registration email address.	Pass	11/14/24	Dhuke				
		- Users Confirm their email by clicking the verification link.	Pass	11/14/24	Dhuke				
		- The system activates the user's account	Pass	11/15/24	Dhuke				
		- The system redirects users homepage.	Pass	11/9/24	Dhuke				
	<b>Log in</b>								
		- User visits the login page of the system.	Pass	10/19/24	Dhuke				
		- Users supply their username and password.	Pass	11/10/24	Dhuke				
		- Users submits the login form.	Pass	10/14/24	Dhuke				
		- The system verifies the credentials provided.	Pass	11/12/24	Dhuke				
		- The system redirects the user to the homepage.	Pass	11/12/24	Dhuke				
		- The user navigates tutorials, exercises, or other platform features.	Pass	11/14/24	Dhuke				
		- The system updates the user's progress after completing tutorials or exercises.	Pass	12/1/24	Dhuke				
		- User logs out of the system securely.	Pass	11/24/24	Dhuke				
<b>Sprint 2</b>	<b>Creates a Quiz</b>								
		- The system identifies the account if they are registered as Student or Instructor.	Pass	11/15/24	Dhuke				
		- Users visits the exercises page of the system.	Pass	11/15/24	Dhuke				
		- The system will display a Create a New Quiz.	Pass	11/15/24	Dhuke				
		- User chooses a programming language.	Pass	11/15/24	Dhuke				
		- Users enter a quiz title.	Pass	11/13/24	Dhuke				
		- User writes the instructions.	Pass	11/15/24	Dhuke				
		- The User can add a question.	Pass	11/13/24	Dhuke				
		- The User writes the question.	Pass	11/15/24	Dhuke				
		- The User writes the answer.	Pass	11/15/24	Dhuke				
		- The User writes the hint for the question.	Pass	11/15/24	Dhuke				
		- The User will have the option to add a new question again.	Pass	11/15/24	Dhuke				
		- The User can save their quiz.	Pass	11/15/24	Dhuke				
		- The system will save the created quiz into the database.	Pass	11/15/24	Dhuke				
<b>Sprint 3</b>	<b>View Quizzes/Scores</b>								
		- The system identifies the account if they are registered as Student or Instructor.	Pass	12/19/24	Dhuke				
		- User visits the Dashboard page of the system.	Pass	12/19/24	Dhuke				
		- The system will display the dashboard of the account.	Pass	12/21/24	Dhuke				
		- The system will display the created quizzes.	Pass	12/21/24	Dhuke				
		- The user can select to view the scores of the selected quiz.	Pass	12/21/24	Dhuke				
	<b>Exercise Navigation</b>								
		- The User logs into the website.	Pass	12/27/24	Dhuke				
		- The system will display the homepage.	Pass	12/29/24	Dhuke				
		- User visits the Exercises page of the system.	Pass	12/29/24	Dhuke				
		- The system will display the exercises created by Instructors of the account.	Pass	12/28/24	Dhuke				
		- User can answer quizzes of the system.	Pass	12/27/24	Dhuke				
<b>Sprint 4</b>	<b>Add Module Files</b>								
		- The system identifies the account if they are registered as Student or Instructor.	Pass	1/8/25	Dhuke				
		- User visits the Dashboard page of the system.	Pass	1/8/25	Dhuke				

		- The system will display the dashboard of the account.	Pass	1/7/25	Dhuke			
		- User can add new module into the system.	Fail	1/6/25	Dhuke			
		- The module will be displayed in the Dashboard.	Pass	1/9/25	Dhuke			
		- The system will save the uploaded module into the database.	Pass	1/9/25	Dhuke			
		- The Instructor and Students can view the module	Pass	1/6/25	Dhuke			
	<b>View/Delete Modules</b>	- The User logs into the website.	Pass	1/6/25	Dhuke			
		- The system will display the homepage.	Pass	1/6/25	Dhuke			
		- User visits the Dashboard page of the system.	Pass	1/6/25	Dhuke			
		- The system will display the dashboard of the account.	Pass	1/9/25	Dhuke			
		- User can view the modules and quizzes of the system.	Pass	1/9/25	Dhuke			
		- The User can view the modules they recently viewed and their (Student) quiz scores.	Pass	1/8/25	Dhuke			
	<b>Edit/Delete Quizzes</b>	- The User logs into the website.	Pass	1/4/25	Dhuke			
		- The system will display the homepage.	Pass	1/4/25	Dhuke			
		- User visits the dashboard page of the system.	Pass	1/4/25	Dhuke			
		- The system will display the user's created quizzes.	Pass	1/4/25	Dhuke			
		- The user can choose if they want to edit/delete their quizzes.	Pass	1/9/25	Dhuke			