

# IHSAN DOGRAMACI BILKENT UNIVERSITY



**CS319:** Object-Oriented Software Engineering

## Deliverable-3

### Mockups

**Group:** Insight Coding

<b>Group Members:</b>	Mustafa Mert Gülhan	22201895
	Ece Bulut	22202662
	Yasemin Altun	22202739
	Altay İlker Yiğiteli	22203024
	Efe Erdoğmuş	22203553

**Instructor:** Anil Koyuncu

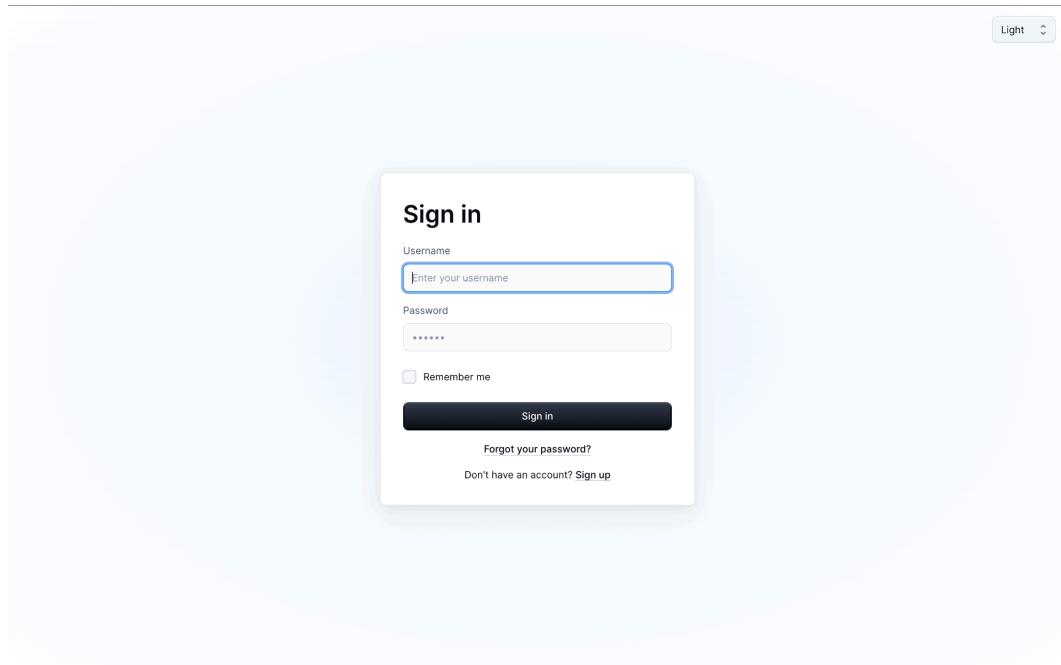
**Submission Date:** 9 November, 2025

<b>Mockups.....</b>	<b>3</b>
Authentication & Profile.....	3
Researcher Pages.....	5
Participant Pages.....	9
Reviewer Pages.....	12
Admin Pages.....	14
Shared / System Pages.....	19

# Mockups

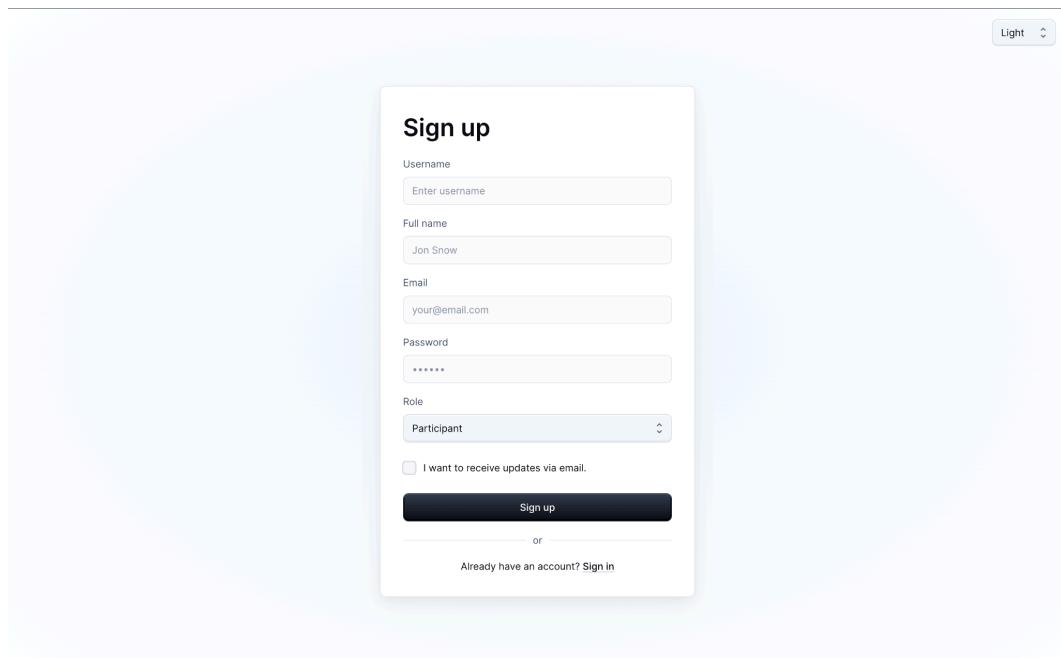
## Authentication & Profile

- Login



A screenshot of a login interface. At the top right is a "Light" theme switch. The main area has a white background with a light gray shadow. It features a "Sign in" button at the top, followed by fields for "Username" (with placeholder "Enter your username") and "Password" (with placeholder "\*\*\*\*\*"). Below these is a "Remember me" checkbox. A large black "Sign in" button is centered below the password field. At the bottom are links for "Forgot your password?" and "Don't have an account? Sign up".

- Register



A screenshot of a registration interface. At the top right is a "Light" theme switch. The main area has a white background with a light gray shadow. It features a "Sign up" button at the top, followed by fields for "Username" (placeholder "Enter username"), "Full name" (placeholder "Jon Snow"), "Email" (placeholder "your@email.com"), and "Password" (placeholder "\*\*\*\*\*"). Below these is a "Role" dropdown menu set to "Participant". A checkbox for "I want to receive updates via email." is present. A large black "Sign up" button is centered below the password field. At the bottom are links for "or" and "Already have an account? Sign in".

- Reset Password / Profile Management

The screenshot shows the 'Profile' section of the Sitemark-web web app. On the left is a sidebar with links: Home, Role Specific, Analytics, Clients, Tasks, Settings, About, and Feedback. The main area has a search bar, a date indicator (Apr 17, 2023), and a notification icon. The 'Profile Information' section contains fields for Email (111@g.com) and Full Name (111 111). Below these is a large blue-bordered button labeled 'Change Password'. Underneath are fields for Current Password\*, New Password\*, Minimum 6 characters, and Confirm New Password\*. At the bottom are 'Save Changes' and 'Cancel' buttons.

**Profile Information**

Email \*  
111@g.com

Full Name \*  
111 111

Change Password

Current Password\*

New Password\*

Minimum 6 characters

Confirm New Password\*

Save Changes Cancel

**Account Status**

Deactivating your account will temporarily disable your access. You can request reactivation at any time.

Deactivate Account

**Danger Zone**

Once you delete your account, there is no going back. Please be certain.

Delete Account

- Deactivate Account / Delete Account

This screenshot shows the same profile page as above, but the 'Delete Account' button in the danger zone has been clicked, opening a confirmation dialog. The dialog has a yellow background and asks 'Are you absolutely sure? This action cannot be undone.' It includes a red 'Yes, Delete My Account' button and a white 'Cancel' button.

**Profile Information**

Email \*  
111@g.com

Full Name \*  
111 111

Change Password

Save Changes Cancel

**Account Status**

Deactivating your account will temporarily disable your access. You can request reactivation at any time.

Deactivate Account

**Danger Zone**

Once you delete your account, there is no going back. Please be certain.

⚠ Are you absolutely sure? This action cannot be undone.

Yes, Delete My Account Cancel

# Researcher Pages

- Researcher Dashboard

The screenshot shows the Researcher Dashboard under the 'Role Specific' tab. The top navigation bar includes 'Overview', 'AI Generator', 'Results', and 'Statistics'. A search bar and date filter ('Apr 17, 2023') are also present. The main area features a welcome message 'Welcome back, 555 555' and a summary of current activity: '+2 this week' (Total Studies: 5), '3 Active Studies', '+12 this month' (Total Participants: 43), and '156 Total Artifacts'. Below this is a 'Quick Actions' section with buttons for '+ Create New Study' and 'AI Artifact Generator'. The 'Active Studies' section displays three card-based summaries:

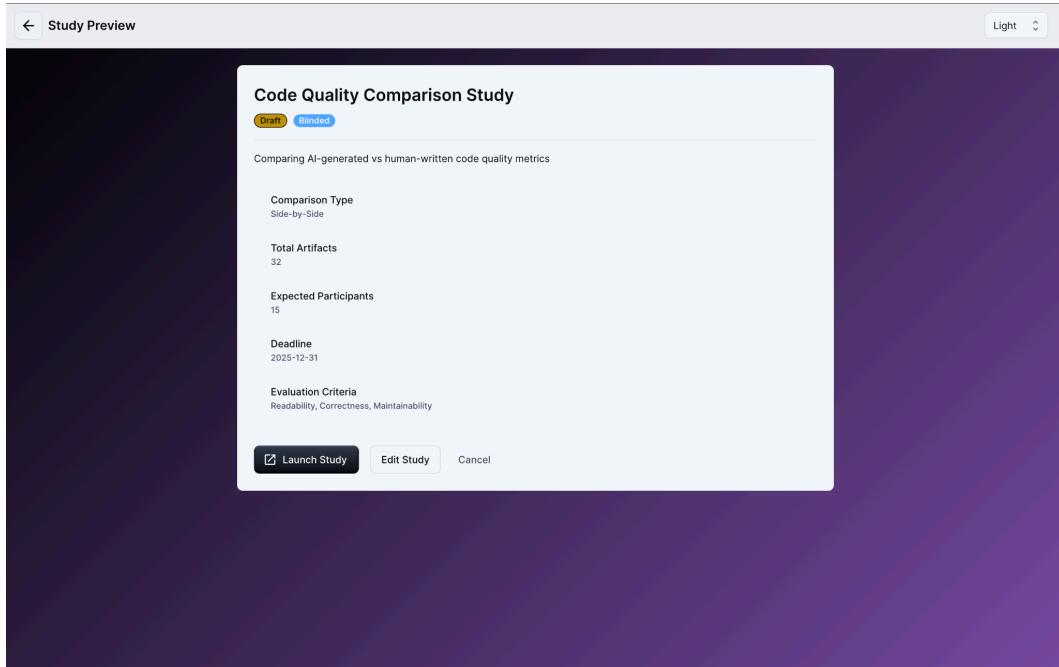
- Code Quality Comparison Study**: Active (65%), Progress 65%, Participants 15, Artifacts 32.
- AI vs Human Documentation**: Active (42%), Progress 42%, Participants 8, Artifacts 24.
- Test Case Evaluation**: Active (88%), Progress 88%, Participants 20, Artifacts 48.

On the left sidebar, there are links for Home, Analytics, Clients, Tasks, Settings, About, and Feedback, along with the user's name (555 555) and email (555@g.com).

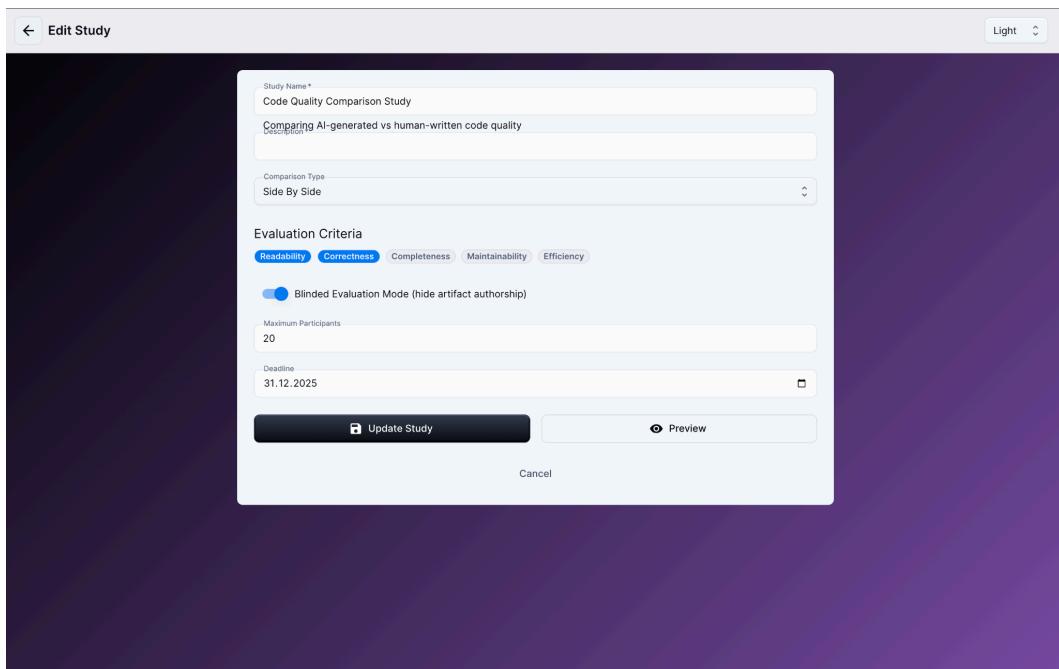
- Create Study

The screenshot shows the 'Create New Study' modal. It includes fields for 'Study Name \*', 'Description \*', and 'Comparison Type'. Under 'Evaluation Criteria', there are five tabs: Readability, Correctness, Completeness, Maintainability, and Efficiency. A checkbox for 'Blinded Evaluation Mode (hide artifact authorship)' is available. Other fields include 'Maximum Participants' and a 'Deadline' input set to 'dd.mm.yyyy'. At the bottom are 'Create Study' and 'Preview' buttons, along with a 'Cancel' link.

- Study Preview



- Edit Study



- Study Statistics

Welcome back, 555 555

Here's what's happening with your research studies today

**Quick Actions**

+ Create New Study    AI Artifact Generator

**Active Studies**

Study Type	Status	Participants	Artifacts	Progress (%)
Code Quality Comparison Study	Active	15	32	65%
AI vs Human Documentation	Active	8	24	42%
Test Case Evaluation	Active	20	48	88%

**Settings**

555 555    555@g.com

- AI Artifact Generator

AI-Powered Artifact Generator

Generate high-quality code artifacts, documentation, and algorithms using advanced AI technology

**Generation Settings**

Artifact Type: Code Snippet  
Programming Language: Java  
Complexity Level: Medium  
Artifact Description: Describe what you want to generate...  
e.g., 'A binary search algorithm' or 'A REST API endpoint for user authentication'

**Additional Options**

Include Comments  
Follow Best Practices  
Add Error Handling

**Generated Artifact**

Generated artifact will appear here  
Configure settings and click "Generate" to start

**Reset**

555 555    555@g.com

- Create Quiz

The screenshot shows the 'Quiz Information' section of a quiz creation interface. It includes fields for 'Quiz Title\*', 'Description', 'Skill Domain', and 'Time Limit (minutes)'. Below these is an 'AI Question Generator' section with a button to 'Generate AI Questions'. A 'Questions' section is visible at the bottom.

The screenshot shows the 'Questions' section of the quiz creation interface. It displays 'Question 1' with fields for 'Question Text\*', 'Question Type' (set to 'Multiple Choice'), and 'Difficulty Level' (set to 'Beginner'). Below this is an 'options' section with four options labeled 'Option 1' through 'Option 4'. At the bottom are 'Create Quiz' and 'Cancel' buttons.

- View Study Results / Export Data

The screenshot shows a participant dashboard with the following key metrics:

- Total Studies: 7
- Completed: 4
- Total Evaluations: 314
- Artifacts Evaluated: 628

**My Participation**

Role	Studies
Researcher	2 studies
Participant	5 studies

**Filter Studies**

Showing 7 of 7 studies

**Study Name**

**API Documentation Comparison**  
Comparing manual vs auto-generated API documentation

**Bug Report Quality Assessment**  
Evaluating quality metrics of bug reports

**Code Quality Comparison Study**  
Comparing AI-generated vs human-written code quality

**UML Diagram Readability Assessment**  
Evaluating readability of different UML diagram styles

**API Documentation Comparison** (Detailed View)

Description: Comparing manual vs auto-generated API documentation

My Role: Participant

Tasks Completed: 5 / 10

My Contribution:

Evaluations	Annotations	Avg Time per Task	Completion Rate
5	20	12 min	50%

Start Date: 11/1/2025

Total Participants: 20

**Actions**

## Participant Pages

- Participant Dashboard

The participant-specific dashboard includes the following sections:

- Overview**: Shows 2 Active Studies, 3 Pending Tasks, 5 Completed Studies, and 24 Completed Tasks.
- Welcome back, 111 111**: A message to the user.
- Active Studies**:
  - Code Quality Comparison**: Due: 2025-11-15, Progress: 65%, Buttons: View Study, Take Quiz.
  - AI Documentation Study**: Due: 2025-11-20, Progress: 40%, Buttons: View Study, Take Quiz.
- Settings**, **About**, **Feedback** links.
- User profile: 111 111, 111@g.com.

- Study History

The screenshot shows the 'Role Specific' dashboard under the 'Sitemark-web Web app'. The 'History' tab is selected. Key statistics are displayed: Completed Studies (2), Tasks Completed (14), Total Evaluations (28), and Average Score (90%). Below this, the 'Completed Studies' section lists two evaluations:

- Test Case Evaluation**: Status: Completed. Details: Tasks Completed 8/8, Evaluations 16, Average Score 92%, Duration 35 days. Enrolled: 9/15/2025, Completed: 10/20/2025.
- UML Diagram Assessment**: Status: Completed. Details: Tasks Completed 6/6, Evaluations 12, Average Score 88%, Duration 46 days.

The sidebar includes links for Home, Role Specific, Analytics, Clients, Tasks, Settings, About, Feedback, and a user profile (111 111, 111@g.com).

- Assigned Study Detail / Task View

The screenshot shows the 'Role Specific' dashboard under the 'Sitemark-web Web app'. The 'Results' tab is selected. Key metrics are shown: 2/3 Quizzes Passed, 2/4 Tasks Completed, and an Average Score of 67%.

The 'Comparison Tasks' section displays four studies:

Study	Type	Artifacts	Status	Score	Time Spent	Review	Completed	Actions
Code Quality Assessment Study	SIDE_BY_SIDE	BubbleSort.java (Human) BubbleSort.java (AI)	COMPLETED	8.5/10	20m	Approved	Nov 3, 2025, 11:20 AM	<button>View</button>
Algorithm Efficiency Study	THREE WAY	MergeSort.py (Human) MergeSort.py (AI-GPT) MergeSort.py (AI-Copilot)	COMPLETED	9.2/10	30m	Approved	Nov 2, 2025, 03:30 PM	<button>View</button>
Documentation Quality Study	SIDE_BY_SIDE	API_Documentation.md (Human) API_Documentation.md (AI)	IN PROGRESS	-	7m	Pending	N/A	<button>Continue</button>
Test Case Generation Study	SIDE_BY_SIDE	UserAuthTests.java (Human) UserAuthTests.java (AI)	PENDING	-	0m	Pending	N/A	<button>Start</button>

The sidebar includes links for Home, Role Specific, Analytics, Clients, Tasks, Settings, About, Feedback, and a user profile (111 111, 111@g.com).

- Quiz Page

The screenshot shows the 'Role Specific' dashboard under the 'Sitemark-web' web app. The 'Results' tab is selected. Key statistics are displayed: 2/3 Quizzes Passed, 2/4 Tasks Completed, and an Average Score of 67%. The main section, 'Competency Quiz Results', lists three quizzes:

- Java Programming Fundamentals**: Software Engineering Practices Study. Score: 85 out of 100 (INTERMEDIATE, PASSED). Feedback: Good understanding of Java basics. Focus on advanced OOP concepts. Score Progress: 85%.
- Python Data Structures**: Algorithm Comparison Study. Score: 72 out of 100 (BEGINNER, PASSED). Feedback: Solid foundation. Practice more on dictionaries and sets. Score Progress: 72%.
- Advanced React Patterns**: UI/UX Development Study. Score: 45 out of 100 (BEGINNER, FAILED). Feedback: Need more practice with hooks and context API. Review the materials and retake. Score Progress: 45%.

- Results / Feedback Page

The screenshot shows the 'Role Specific' dashboard under the 'Sitemark-web' web app. The 'Evaluation Details' tab is selected. The main section, 'Detailed Evaluation Feedback', displays two code reviews:

- BubbleSort.java**: Rating Criteria: READABILITY 9/10 (Very clear variable names), CORRECTNESS 8/10 (Correct implementation), EFFICIENCY 7/10 (Could be optimized), MAINTAINABILITY 9/10 (Well structured code). Reviewer Comments: Thorough evaluation with good insights. Annotations: 3 Annotations, Valid.
- MergeSort.py**: Rating Criteria: READABILITY 10/10, CORRECTNESS 9/10, EFFICIENCY 10/10, MAINTAINABILITY 9/10. Annotations: 5 Annotations, Valid.

# Reviewer Pages

- Reviewer Dashboard

The screenshot shows the 'Role Specific' dashboard for a user named '222 222'. The top navigation bar includes 'Overview', 'Assigned Reviews', and 'Review History'. A search bar and date filter ('Apr 17, 2023') are also present. The main area features a 'Welcome back, 222 222' message and a summary of review activity: 12 Pending Reviews, 3 In Progress, 45 Completed, and 2 Flagged. Below this are sections for 'Recent Reviews' (listing 'Code Quality Comparison' by John Doe, 'AI Documentation Study' by Jane Smith, and 'Test Case Evaluation' by Bob Johnson) and 'Performance' (showing an Avg Quality Score of 4.3/5.0 and 18 issues found). A 'Quick Actions' sidebar offers links to 'View All Reviews' and 'Review History'.

- Assigned Reviews Page

The screenshot shows the 'Assigned Reviews' page from the 'Role Specific' dashboard. The top navigation bar includes 'Overview', 'Assigned Reviews' (which is selected), and 'Review History'. A search bar and date filter ('Apr 17, 2023') are also present. The main area starts with a 'Review Summary' section showing 7 Total Reviews, 3 Pending, 1 In Progress, 2 Completed, and 1 Flagged. Below this is a 'Filters & Search' section with a search bar, status dropdown ('All Status'), and priority dropdown ('All Priority'). A table then lists seven assigned reviews with columns for Study Name, Participant, Date, Status, Priority, Completeness, Artifacts, Issues, and Actions. Each row includes a detailed view icon (eye) and a delete icon (trash).

- Artifact review page

The screenshot shows the Sitemark-web artifact review interface. At the top, there's a navigation bar with links for Home, Role Specific, Analytics, Clients, and Tasks. A user profile icon with the number '2' and the email '222@222.com' is also present.

**Participant's Ratings:**

Category	Rating
Readability	★★★★★
Correctness	★★★★★
Maintainability	★★★★★

**Annotations:**

"More functional approach, uses Optional which is modern Java practice. Very clean code."

**Participant's Preference:**

Preferred: Artifact B

Justification: Artifact B uses more modern Java patterns and is more concise while maintaining readability.

**Your Review:**

Evaluation Quality \*: ★☆☆☆☆

Rating Consistency \*: ★☆☆☆☆

Response Completeness \*: ★☆☆☆☆

**Identified Issues:**

- Incomplete evaluation
- Inconsistent ratings
- Missing annotations
- Suspicious response time
- Copy-paste detected
- Other quality concerns

**Decision:**

- Approve Evaluation
- Reject Evaluation
- Flag for Review

Reviewer Notes: [Text input field]

**Submit Review** button

\* Required fields

**Code Quality Comparison Study**

Participant: John Doe | Submitted: 11/1/2025, 10:30:00 AM | Time Spent: 12 minutes  
john.doe@email.com

Completeness: 85%

**Participant's Evaluation**

**Artifact A - Human Code**

**Java Code**

```
public class LoginController {
    private UserService userService;

    public LoginController(UserService userService) {
        this.userService = userService;
    }

    public Response login(LoginRequest request) {
        try {
            User user = userService.authenticate(
                request.getUsername(),
                request.getPassword()
            );
        }
        if (user != null) {
            String token = generateToken(user);
        }
    }
}
```

**Participant's Ratings**

Readability	Correctness
★★★★★	★★★★★

- Review History / Export Summary

**Role Specific**

**Overview** **Assigned Reviews** **Review History**

**Review History**

Study Name	Participant	Review Date	Decision	Quality Score	Issues Found	Time Spent
Code Quality Comparison Study	John Doe	11/5/2025 02:30 PM	Approved	4.5	2	18 minutes
AI vs Human Documentation	Jane Smith	11/4/2025 10:15 AM	Approved	5.0	-	12 minutes
Test Case Evaluation	Bob Johnson	11/3/2025 04:45 PM	Approved	4.0	1	15 minutes
Code Quality Comparison Study	Alice Williams	11/2/2025 09:20 AM	Flagged	2.5	3	25 minutes
UML Diagram Assessment	Charlie Brown	11/1/2025 01:00 PM	Rejected	2.0	4	20 minutes
API Design Comparison	David Lee	10/31/2025	Approved	4.5	1	14 minutes

## Admin Pages

- Admin Dashboard (overview of system stats)

The screenshot shows the Admin Dashboard with the following key metrics:

- Total Users: 1,284 (+12%)
- Active Studies: 45 (+5%)
- Total Artifacts: 3,892 (+23%)
- Completed Tasks: 8,456 (+18%)

**Pending Actions:**

- Researcher Requests: 8 (high)
- Reactivation Requests: 3 (medium)
- Flagged Evaluations: 12 (high)
- System Alerts: 2 (low)

**Recent Activity:**

- John Doe completed comparison task in **Code Quality Study** 5 mins ago
- Jane Smith requested researcher access 12 mins ago
- Admin created new study in **LLM vs Human Test Cases** 1 hour ago

- Manage Users (activate, deactivate, delete, pending deactivation and researcher requests)

The screenshot shows the User Management page with the following user data:

User	Role	Status	Last Login	Joined	Actions
555 555 555@g.com @555	RESEARCHER	Active	Never	11/6/2025	<button>Edit</button> <button>Delete</button>
222 222 222@222.com @222	REVIEWER	Active	Never	11/6/2025	<button>Edit</button> <button>Delete</button>
111 111 111@g.com @111	PARTICIPANT	Active	Never	11/8/2025	<button>Edit</button> <button>Delete</button>

Sitemark-web  
Web app

Dashboard > Role Specific

Overview Users Studies Artifacts Reports Settings

Search... Apr 17, 2023

User Management

Manage users, roles, and access requests

Search user...

Role Status Actions

Username: 555  
Email: 555@q.com  
Full Name: 555 555  
Role: Researcher

New Password (leave empty to keep current)

Cancel Save

User

555 555  
555@q.com  
@555

222 222  
222@222.com  
@222

111 111  
111@q.com  
@111

Settings About Feedback

Admin Panel

Efe Admin efe@admin.com

Role: All Roles Status: All Status

Request Approval

Pending Researcher Requests

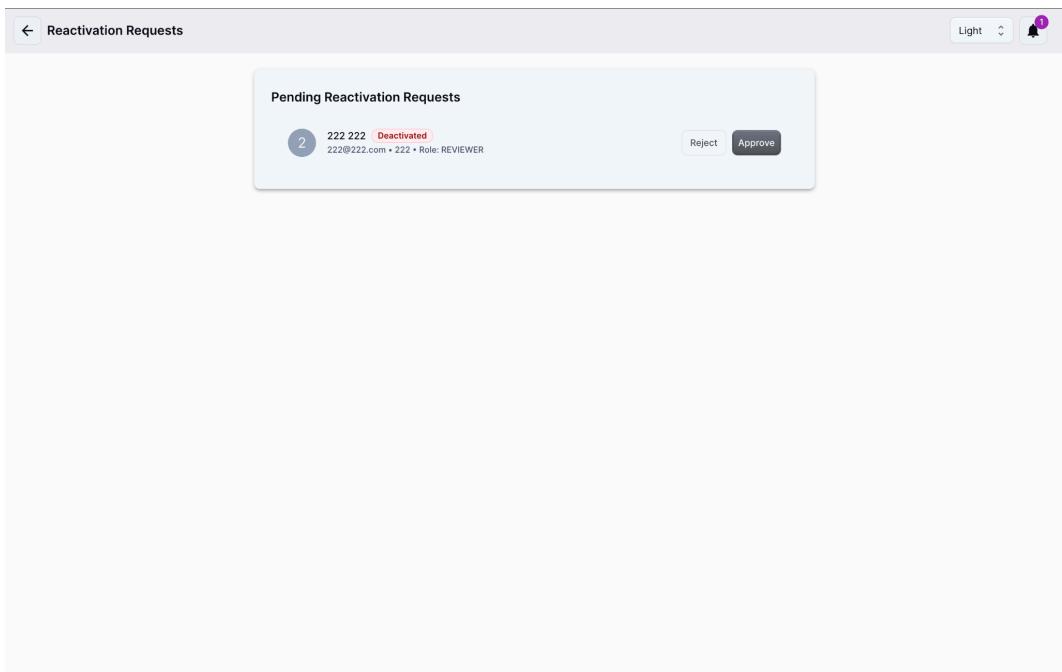
4 444 444  
444@q.com • 444 • 11/9/2025, 8:15:13 PM

Reject Approve

Light

1

1



- Monitor Studies (all researchers' studies)

Title	Owner	Status	Participants	Start	Deadline	Completion	Last Update	Actions
Database Schema Review ID: st_106	Emma Wilson	Active	11/12	Nov 1, 2025	Dec 5, 2025	<div style="width: 55%;">55%</div>	11/7/2025, 6:10:00 PM	<span>[Edit]</span> <span>[View]</span> <span>[Delete]</span>
Test Case Evaluation ID: st_103	Bob Johnson	Active	27/30	Oct 10, 2025	Nov 25, 2025	<div style="width: 72%;">72%</div>	11/6/2025, 9:40:00 PM	<span>[Edit]</span> <span>[View]</span> <span>[Delete]</span>
API Design Comparison ID: st_105	David Lee	Active	9/10	Oct 28, 2025	Nov 30, 2025	<div style="width: 40%;">40%</div>	11/6/2025, 1:12:00 PM	<span>[Edit]</span> <span>[View]</span> <span>[Delete]</span>
Code Quality Comparison Study ID: st_101	John Doe	Active	18/24	Oct 20, 2025	Nov 15, 2025	<div style="width: 65%;">65%</div>	11/5/2025, 4:10:00 PM	<span>[Edit]</span> <span>[View]</span> <span>[Delete]</span>
AI vs Human Documentation ID: st_102	Jane Smith	Draft	0/0	Nov 20, 2025	Dec 20, 2025	<div style="width: 0%;">0%</div>	11/2/2025, 12:00:00 PM	<span>[Edit]</span> <span>[View]</span> <span>[Delete]</span>

Rows per page: 5 | 1-5 of 6

- View Reports (platform-wide analytics)

**Reports Overview**

Hi Researcher, review and download your study reports.

Report ID	Study	Type	Status	Progress	Updated	Actions
RPT-2025-001	Code Quality Comparison Study 15 participants • 32 artifacts	Summary	Ready	100%	2025-11-02	<a href="#">View</a> <a href="#">Download</a>
RPT-2025-002	AI vs Human Documentation 8 participants • 24 artifacts	Detailed	Generating	68%	2025-11-06	<a href="#">View</a> <a href="#">Download</a>
RPT-2025-003	Test Case Evaluation 20 participants • 48 artifacts	Summary	Ready	100%	2025-10-31	<a href="#">View</a> <a href="#">Download</a>

**Generate New Report**

- System Settings

**System Settings**

Configure system-wide settings and preferences

**System Information**

System Name: Artifact Comparator

System Version: 1.0.0

Deployment Mode: Hosted

Time Zone: UTC

Maintenance Mode: Temporarily disable user access

**Study Defaults**

Blinded Evaluation by Default: Hide artifact authorship in new studies

Default Study Duration (days): 60

Minimum Required Skill Level: Intermediate

- **Artifact Management**

The screenshot shows the Sitemark-web web application's artifact management page. The left sidebar includes links for Home, Role Specific (Analytics, Clients, Tasks), Settings, About, Feedback, and Admin Panel. The main area has a title 'Artifact Management' with a subtitle 'Manage and organize software artifacts'. It features a summary bar with counts: Total (5), Source Code (2), Test Cases (1), Diagrams (1), Human (4), and LLM (1). Below is a search bar and filters for Type (All Types) and Source (All Sources). A table lists artifacts with columns for Artifact, Type, Source, Language, Uploaded By, Size, Usage, and Actions. The artifacts listed are:

Artifact	Type	Source	Language	Uploaded By	Size	Usage	Actions
<b>BinarySearchTree.java</b> Implementation of binary search tree data structure	Source Code	HUMAN	Java	Dr. Emily Brown	12.5 KB	15 studies	
<b>BinarySearchTree_llm.java</b> LLM-generated binary search tree implementation	Source Code	LLM	Java	Dr. Emily Brown	10.2 KB	15 studies	
<b>TestBST.java</b> Unit tests for binary search tree	Test Case	HUMAN	Java	Dr. John Doe	8.3 KB	12 studies	
<b>ClassDiagram_ShoppingCart.png</b> UML class diagram for shopping cart system	Uml Diagram	HUMAN	-	Dr. Sarah Johnson	245 KB	22 studies	
<b>BugReport_AUTH001.md</b> Authentication failure bug report	Bug Report	HUMAN	-	Dr. John Doe	5.2 KB	8 studies	

## Shared / System Pages

- **Error**

The screenshot shows a 404 error page. At the top is a large blue icon of a document with a red exclamation mark. Below it is a large purple '404' number. Underneath is the text 'Page Not Found' with a small info icon. The message says: 'The page you're looking for seems to have been moved, deleted, or doesn't exist. Maybe it's lost in the digital void.' A code block shows a snippet of Java code:

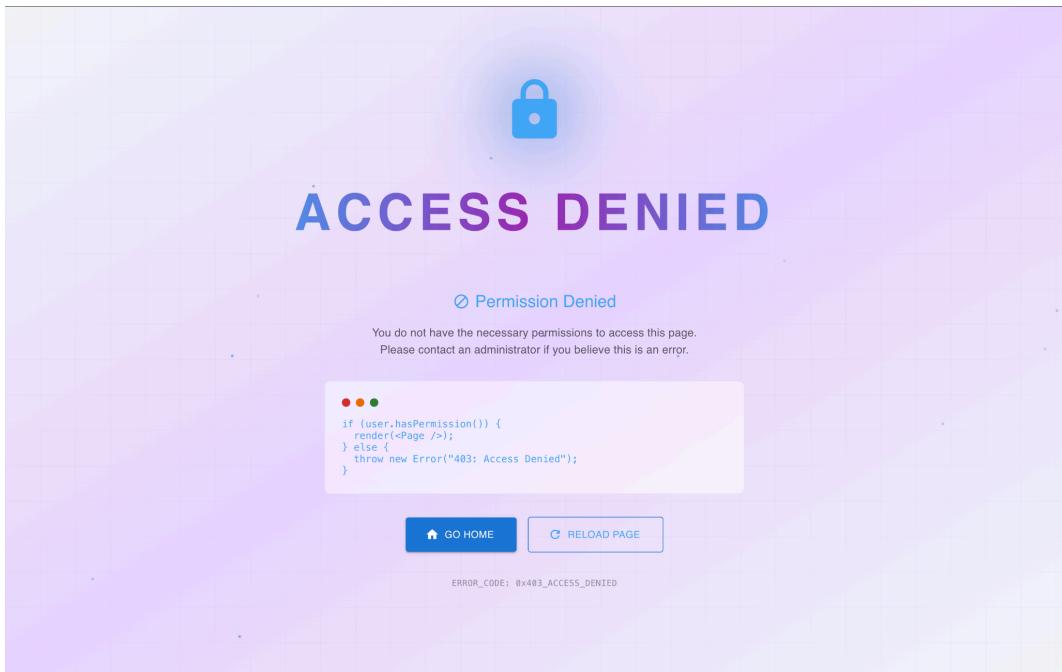
```

    if (page.exists()) {
        render(<Page />);
    } else {
        throw new Error("404: Page not found");
    }

```

At the bottom are two buttons: 'GO HOME' with a house icon and 'RELOAD PAGE' with a circular arrow icon. The footer contains the text 'ERROR\_CODE: 0x404\_NOT\_FOUND'.

- Access Denied



- Notifications

The screenshot shows a notifications interface with a header bar. The header includes a back arrow, the word "Notifications", a "Light" mode switch, and buttons for "Mark All Read" and "Delete All". Below the header is a section titled "Notifications" with the sub-instruction "Stay updated with your tasks, deadlines, and system alerts". It features three summary boxes: "Total Notifications" (8), "Unread" (4), and "Read" (4). The main content area lists several notifications with their types and descriptions. The notifications are:

- New Task Assigned** (TASK ASSIGNED)  
You have been assigned a new comparison task in "Code Quality Comparison Study"  
1 day ago
- Deadline Approaching** (DEADLINE REMINDER)  
Your evaluation for "AI vs Human Documentation" is due in 2 days  
1 day ago
- Study Invitation** (STUDY INVITATION)  
You have been invited to participate in "Test Case Evaluation Study"  
1 day ago
- Review Assigned** (REVIEW ASSIGNED)  
A new evaluation has been assigned to you for review  
2 days ago
- New Task Assigned** (TASK ASSIGNED)  
You have been assigned a new comparison task in "Bug Report Quality Assessment"  
2 days ago
- Deadline Passed** (DEADLINE REMINDER)