EduGame AI — Wireframes Document

Audience: Designers, Developers, Stakeholders
Purpose: Visual representation of key screens, navigation, and interactions for Students and Teachers.

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1. Navigation Overview

Student

```
Header: EduGame AI Logo | Notifications | Profile
Sidebar: Classes | AI Doubt Solver | Lecture Summariser | Quiz Arena |
Assignments
Main area: Quick stats (XP, Level, Streak) | Recent activities | Join Class
Footer: Weekly leaderboard
```

Teacher

```
Header: EduGame AI Logo | Notifications | Profile
Sidebar: Classes | AI Quiz Generator | Assignments | Analytics | Lesson
Planner
Main area: Class overview | Quick actions (Create Quiz, Assign Homework)
Footer: Performance snapshots / Top students
```

2. Student Dashboard Wireframes

2.1 AI Doubt Solver

```
[Header: Subject dropdown | Attach files]
-----------------------------------------------
| Chat history (scrollable)                   |
| -> Student question (left)                  |
| -> AI answer with steps (right)             |
|    [Show sources] [Add to flashcards]       |
-----------------------------------------------
[Input area: Textbox | Attach file | Send button]
```

Notes:

- Display confidence score for AI responses
- Source references clickable
- Option to expand/collapse step explanations

2.2 Lecture Summariser

```
[Upload area: Drag & Drop or browse files]
```

```
-------------------------------------------------
| Top Section: Generated Summary                |
| Key Points (bulleted list)                    |
| Flashcards (card carousel)                    |
| Quick Quiz: 3 sample MCQs                     |
| Buttons: Export PDF | Save to Class | Review|
-------------------------------------------------
```

2.3 Quiz Arena

```
[Filter Bar: Subject | Topic | Difficulty | Mode (Timed / Practice)]
-------------------------------------------------
| Quiz Card: title | #Questions | Timer | Start Button | Leaderboard |
| Quiz Interface: question | options | submit | next
| Post-quiz: Score, Explanation, XP Gained, Streak Update
-------------------------------------------------
```

2.4 Assignments

```
[Assignment List]
-------------------------------------------------
| Assignment Title | Due Date | Status | View/Submit |
| Submission Page: Upload file or paste answer |
| Feedback Section: Teacher + AI marks, comments |
-------------------------------------------------
```

2.5 Classes

```
[Class List]
-------------------------------------------------
| Class Name | Code | Join Button |
| Option: Enter class code manually |
-------------------------------------------------
```

2.6 Explain My Mistake (Signature Feature)

```
[Upload or Type Answer]
-------------------------------------------------
| AI Result Card:                               |
| - Mistake identified                          |
| - Why the answer is wrong                      |
| - Corrected solution with step-by-step        |
| - 1-3 practice questions (Try buttons)        |
-------------------------------------------------
```

3. Teacher Dashboard Wireframes

3.1 Class & Student Management

```
[Class List / Sections]
```

```
--------------------------------------------------
| Class Name | Teacher | #Students | Actions: View Students / Create Quiz |
| Student List: Name | Email | Enrollment Status |
--------------------------------------------------
```

3.2 AI Quiz Generator

```
[Quiz Form]
--------------------------------------------------
| Select Subject | Topic | Difficulty | Marks |
| Question Type: MCQ | Short Answer | Long |
| Generate Button: Creates full quiz + answer key |
| Option to assign quiz directly to class        |
--------------------------------------------------
```

3.3 Assignment Creator & Evaluator

```
[Assignment Form]
--------------------------------------------------
| Title | Description | Due Date |
| Submission: Online Upload / Text |
| Evaluation: AI automatic grading + Feedback |
--------------------------------------------------
```

3.4 Analytics & Insights

```
[Analytics Dashboard]
--------------------------------------------------
| Topic-wise performance | Weak / Strong areas |
| Quiz stats | Class comparison | Trends chart |
| Filter: By class, date range, subject        |
--------------------------------------------------
```

3.5 AI Lesson Planner

```
[Lesson Planner Form]
--------------------------------------------------
| Topic | Class Level | Duration (Days/Weeks) |
| Generate Button → outputs day-wise plan      |
| Day 1: Learning Objectives | Activities | Mini Quiz |
| Day 2: ...                                   |
| Controls: Edit | Save | Publish | Export PDF |
--------------------------------------------------
```

4. Interaction Notes

- All dashboards follow **role-based UI**: student vs teacher views.
- Live updates via **WebSocket** for:
  - Chat messages
  - Leaderboards
  - Assignment submissions
- Modals for uploading files, viewing detailed AI outputs, editing lesson plans.
- Cards for summaries, flashcards, quizzes, and lesson plan days.

5. Color & Component Suggestions

- Palette: Soft blues and greens for clarity, high contrast CTA buttons
- Cards with shadows for content separation
- Tabbed panels for multiple quizzes or assignments
- Progress bars for XP / Level / Streak indicators
- Icons for upload, feedback, AI-generated content

6. Suggested Handoff

- Use these wireframes to create **high-fidelity designs** in Figma or Sketch
- Include **annotations** for developers: component props, API integration points
- Map each wireframe to corresponding **backend endpoints and DB tables** (e.g., Explain My Mistake → `mistake_checks` table + `/api/student/mistake-check`