**Learnify**

**1. Dashboard Page**

* **Overview:**
  + A summary of recent activities, upcoming assignments, and notifications.
* **Components:**
  + **For Teachers:**
    - Quick stats on student progress.
    - Upcoming classes and assignments.
    - Notifications for student queries or messages.
  + **For Students:**
    - Overview of enrolled courses.
    - Upcoming assignments and deadlines.
    - Notifications for new messages or announcements.

**2. Course Management Page**

* **Overview:**
  + A dedicated space for managing courses.
* **Components:**
  + **For Teachers:**
    - Create, edit, and delete courses.
    - Upload course materials (documents, videos, etc.).
    - Manage student enrollments.
  + **For Students:**
    - View enrolled courses.
    - Access course materials and resources.
    - Download or view assignments.

**3. Communication Tools Page**

* **Overview:**
  + A platform for interaction between teachers and students.
* **Components:**
  + **For Teachers:**
    - Create and manage forums for discussions.
    - Send announcements to students.
    - Direct messaging with students.
  + **For Students:**
    - Participate in forums and discussions.
    - Send messages to teachers and peers.
    - View announcements and updates.

**4. Assessment and Grading Page**

* **Overview:**
  + A section for managing assessments and grades.
* **Components:**
  + **For Teachers:**
    - Create and manage quizzes and assignments.
    - Grade submissions and provide feedback.
    - View overall class performance statistics.
  + **For Students:**
    - Submit assignments and take quizzes.
    - View grades and feedback from teachers.
    - Track progress on assignments and assessments.

**5. Progress Tracking Page**

* **Overview:**
  + A visual representation of student progress.
* **Components:**
  + **For Teachers:**
    - View individual student progress reports.
    - Analyze class performance metrics.
    - Identify students who may need additional support.
  + **For Students:**
    - View personal progress reports.
    - Track completion of assignments and courses.
    - Set personal learning goals.

**6. AI Chatbot Page**

* **Overview:**
  + An interactive chatbot for assistance.
* **Components:**
  + **For Teachers and Students:**
    - Chat interface for asking questions.
    - FAQs and common queries.
    - Assistance with course navigation and resources.

**7. Profile Page**

* **Overview:**
  + A personal space for users to manage their information.
* **Components:**
  + **For Teachers:**
    - Update personal information and bio.
    - Manage profile picture and contact details.
  + **For Students:**
    - Update personal information and preferences.
    - Manage profile picture and contact details.

**8. Settings Page**

* **Overview:**
  + A section for managing account settings.
* **Components:**
  + **For Teachers and Students:**
    - Change password and security settings.
    - Notification preferences.
    - Manage linked accounts (if applicable).

**Implementation Tips:**

* **Routing:** Use React Router to manage navigation between these pages.
* **State Management:** Consider using Context API or Redux for managing global state, especially for user authentication and course data.
* **UI Components:** Utilize Material-UI components to maintain a consistent and responsive design.
* **API Integration:** Ensure that your frontend communicates effectively with your Node.js backend for data fetching and updates.