**Website Features**

1. **Class Offerings**:
   * **Islamic Courses**: Online and regular classes for Deniyaat, Tajweed, Nazra, Tafseer, Spoken Arabic, etc.
   * **Art Classes**: Fashion designing, cake baking, bridal mehndi, makeup tutorials.
   * **Corporate Skills**: Business skills, spoken English, computer education, and IT courses like DevOps, AWS, web development, data science, and cyber security.
2. **Donation System**:
   * A **secure payment gateway** for donors to contribute and sponsor free classes for underprivileged individuals.
   * A **transparency report** showing where donations are utilized.
3. **Live & Online Class Integration**:
   * Integration of Zoom, Google Meet, or custom live-streaming platforms.
   * Recorded sessions available for future reference.
4. **User Roles**:
   * **Admin**: Manages class schedules, student records, and donation reports.
   * **Teachers**: Upload course content, manage live sessions.
   * **Students**: Register for free or paid classes, view certificates.
5. **Certificates**:
   * Digital certificates for course completion.
6. **Community Features**:
   * A forum or Q&A section for interaction.
   * Success stories of students who benefitted from the free classes.

**UML Diagram Explanation**

Below is a possible **Class Diagram** UML structure for your website:

1. **Classes**:
   * **User**: Parent class with attributes like User\_ID, Name, Email, Role. Sub-classes: Admin, Teacher, Student.
   * **Course**: Attributes include Course\_ID, Title, Category, Mode (Online/Offline), and Price.
   * **Donation**: Attributes like Donation\_ID, Amount, Donor\_ID, Usage\_Report.
   * **Session**: Includes Session\_ID, Course\_ID, Teacher\_ID, Date/Time, Mode (Live/Recorded).
2. **Relationships**:
   * A **Student** can **enroll** in one or many **Courses**.
   * A **Teacher** can **conduct** multiple **Sessions** for a course.
   * **Donors** make donations that sponsor free courses.

Here’s a rough **UML diagram** representation:

+----------------+ +----------------+

| User | | Course |

|----------------| |----------------|

| User\_ID |1 \*| Course\_ID |

| Name |<---------| Title |

| Email | | Category |

| Role | | Mode |

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| |

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| Student | | Session |

|----------------| |----------------|

| Enrolls in |------->| Session\_ID |

| User\_ID | | Date/Time |

+----------------+ | Mode |

+----------------+

+----------------+

| Donation |

|----------------|

| Donation\_ID |

| Amount |

| Donor\_ID |

| Usage\_Report |

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**Key Benefits for Society:**

1. **Access to Quality Education**: Free classes for underprivileged students using donations.
2. **Skill Development**: Helps youth and adults acquire skills to improve their livelihood.
3. **Community Engagement**: A platform to bring teachers, donors, and students together.
4. **Transparency**: Donors can see how their contributions are being utilized.

Would you like me to implement the UML diagram further or focus on specific features for the website?

**ER Diagram**

To create the ER Diagram for your e-learning website, we will define entities and their relationships based on the courses and functionality provided in the image.

**Entities**

1. **Users**
   * Attributes: user\_id, name, email, phone, password, address, role (student/teacher/admin)
2. **Courses**
   * Attributes: course\_id, course\_name, category (Islamic, Art, Corporate Skill, etc.), description, duration, fee
3. **Classes**
   * Attributes: class\_id, course\_id, mode (online/offline), start\_date, end\_date, schedule, teacher\_id
4. **Enrollments**
   * Attributes: enrollment\_id, user\_id, course\_id, status (enrolled/completed/pending), progress
5. **Certificates**
   * Attributes: certificate\_id, user\_id, course\_id, issue\_date
6. **Projects**
   * Attributes: project\_id, title, description, submission\_date, student\_id, status (submitted/pending)
7. **Payments**
   * Attributes: payment\_id, user\_id, course\_id, amount, payment\_date, status (success/pending)

**ER Diagram Relationships**

* **Users** → **Enrollments**: One user can enroll in many courses.
* **Courses** → **Classes**: A course can have many classes.
* **Users** → **Payments**: One user can make multiple payments for courses.
* **Enrollments** → **Certificates**: One enrollment can result in a certificate.
* **Users** → **Projects**: A user can submit multiple projects.

**Flow of Working**

1. **Homepage**:
   * Displays information about the platform, courses offered, and benefits.
   * Login and Signup options.
2. **User Signup/Login**:
   * Users register with roles: Student, Teacher, or Admin.
   * Students can enroll in courses; teachers can manage classes.
3. **Course Browsing**:
   * Users can view available courses categorized under Islamic, Art, Corporate Skills, and others.
   * Course details include description, fee, schedule, and mode (online/offline).
4. **Enrollment**:
   * Students enroll in courses and choose the mode of learning (online or offline).
   * Payment is processed for paid courses.
5. **Learning Dashboard**:
   * Provides access to enrolled courses.
   * Displays course materials, video lectures, assignments, and schedules.
6. **Assignments and Projects**:
   * Students can view and submit projects/assignments.
   * Teachers evaluate submissions and update progress.
7. **Certificates**:
   * Upon course completion, students can download their certificates.
8. **Admin Panel**:
   * Admins manage courses, classes, users, and payments.
   * Track progress and generate reports.

**Suggested Pages for the Website**

1. **Homepage**:
   * Introduction to the academy, benefits, and featured courses.
2. **Login/Signup Page**:
   * Role-based registration and secure login.
3. **Courses Page**:
   * List of all available courses categorized by type (Islamic, Art, etc.).
4. **Course Details Page**:
   * Information about a specific course, including duration, fee, schedule, and description.
5. **Enrollment Page**:
   * Form for enrolling in a course and selecting the mode of learning.
6. **Learning Dashboard**:
   * Personalized dashboard showing enrolled courses and progress.
7. **Classroom Page**:
   * Access to video lectures, materials, assignments, and live sessions.
8. **Assignments/Projects Page**:
   * Students view, submit, and track assignment statuses.
9. **Certificates Page**:
   * Displays downloadable certificates for completed courses.
10. **Admin Panel**:
    * Manage courses, teachers, students, and track payments.
11. **Payment Page**:
    * Secure checkout for course fees.
12. **Contact Us Page**:
    * Provide contact details and a form for inquiries.