# CourseHub - الهيكلية المقترحة للموديولات وEntities

## 1. User Management Module

### Entities:

- User (ID, Name, Email, Password, Role, CreatedAt)

- Role (ID, Name: Student, Admin, Moderator)

### Endpoints:

- POST /api/users/register

- POST /api/users/login

- GET /api/users/{id}

- PUT /api/users/{id}

- DELETE /api/users/{id}

## 2. Course Management Module

### Entities:

- Course (ID, Title, Description, Image, Price, CategoryId, CreatedBy, CreatedAt)

- CourseMaterial (PDFs, Videos, etc.)

- Category (ID, Name)

### Endpoints:

- POST /api/courses

- GET /api/courses

- GET /api/courses/{id}

- PUT /api/courses/{id}

- DELETE /api/courses/{id}

- GET /api/categories

- POST /api/categories

## 3. Payment & Subscription Module

### Entities:

- Payment (ID, UserId, CourseId, Amount, Status, Method, Date)

- DiscountCode (ID, Code, Value, ExpiryDate)

- Subscription (UserId, CourseId, StartDate, EndDate)

### Endpoints:

- POST /api/payments/checkout

- GET /api/payments/status/{id}

- GET /api/users/{userId}/payments

- POST /api/discounts

- GET /api/discounts/validate/{code}

## 4. Rating & Reviews Module

### Entities:

- Rating (ID, UserId, CourseId, Score, Comment, CreatedAt)

### Endpoints:

- POST /api/courses/{courseId}/ratings

- GET /api/courses/{courseId}/ratings

- PUT /api/ratings/{id}

- DELETE /api/ratings/{id}

## 5. Notification Module

### Entities:

- Notification (ID, UserId, Title, Message, IsRead, CreatedAt)

### Endpoints:

- GET /api/notifications

- POST /api/notifications/send

- PUT /api/notifications/{id}/read

## 6. Dashboard & Analytics Module

### Entities:

- Analytics (UsersCount, CoursesCount, Earnings, TopCourses)

### Endpoints:

- GET /api/admin/dashboard

## 7. Support & Ticketing Module

### Entities:

- SupportTicket (ID, UserId, Subject, Message, Status, CreatedAt)

- TicketReply (ID, TicketId, AdminId, Reply, Timestamp)

### Endpoints:

- POST /api/support/tickets

- GET /api/support/tickets/{id}

- POST /api/support/tickets/{id}/reply