**✅ Admin Panel Pages (4)**

| **🔢** | **Page Title** | **URL** | **Contents (Fields, Tables, Actions)** |
| --- | --- | --- | --- |
| 1 | Dashboard | /Admin/Dashboard | - Total patients, total invoices, income summary- Recent activities- Quick links |
| 2 | Manage Users | /Admin/ManageUsers | - Add user form: FullName, Email, Password, Role dropdown- User list table with Edit/Delete |
| 3 | Manage Services | /Admin/ManageServices | - Add/Edit/Delete services- Table:Service Name, Unit Cost, Unit Type, Action |
| 4 | Reports & Logs | /Admin/Reports | - Date filters, revenue summary- Invoice count, export option- Optional: Activity logs |
|  |  |  |  |

| **Feature** | **Action Method** | **HTTP Type** |
| --- | --- | --- |
| **Dashboard** | **Dashboard()** | **GET** |
| **Manage Users** | **ManageUsers()** | **GET** |
|  | **CreateUser()** | **GET/POST** |
|  | **EditUser()** | **GET/POST** |
|  | **DeleteUser()** | **GET/POST** |
| **Manage Services** | **ManageServices()** | **GET** |
|  | **CreateService()** | **GET/POST** |
|  | **EditService()** | **GET/POST** |
|  | **DeleteService()** | **GET/POST** |
| **Reports & Logs** | **Reports()** | **GET** |

**✅ Receptionist Panel Pages (3)**

| **🔢** | **Page Title** | **URL** | **Contents (Fields, Tables, Actions)** |
| --- | --- | --- | --- |
| 1 | Dashboard | /Receptionist/Dashboard | - Total patients, admitted today- Pending bills- Quick links: Add Patient, Create Draft |
| 2 | Patient Management | /Receptionist/Patients | - Add/Edit/Delete patients- Form: Full Name, Gender, Age, Phone, Admission Date- Table |
| 3 | Draft Billing | /Receptionist/DraftBilling | - Draft invoice form (Service, Quantity)- **Draft Items Table**- **Draft List Table** |
|  |  |  |  |

**📋 Example: Draft Items Table (in /Receptionist/DraftBilling)**

| **#** | **Service Name** | **Unit Cost** | **Quantity** | **Subtotal** | **Action** |
| --- | --- | --- | --- | --- | --- |
| 1 | Consultation | 300 | 1 | 300 | Remove |
| 2 | Room Charge | 1500 | 2 | 3000 | Remove |

➡ **Below:**

* **Total Amount**
* **[Save Draft]** Button

**🔍 Example: Draft Bills List (same page)**

| Draft ID | Patient Name | Total | Created At | Status | Action |
| --- | --- | --- | --- | --- | --- |
| #123 | Rafiq Uddin | 3200 | 16-Jun-2025 | Pending | View / Delete |

**✅ Accountant Panel Pages (3)**

| **🔢** | **Page Title** | **URL** | **Contents (Fields, Tables, Actions)** |
| --- | --- | --- | --- |
| 1 | Dashboard | /Accountant/Dashboard | - Total income, invoices today/month- Pending drafts- Quick links to finalize/view history |
| 2 | Finalize Invoices | /Accountant/FinalizeInvoices | - Draft invoice list table- Finalization form: Apply discount, tax- Confirm button |
| 3 | Invoice History | /Accountant/Invoices | - Search/filter by patient/date- Table: Invoice ID, Patient, Date, Total, Status, Action |

**📋 Example: Finalization Table (Draft Details)**

| **Service Name** | **Unit Cost** | **Quantity** | **Subtotal** |
| --- | --- | --- | --- |
| Consultation | 300 | 1 | 300 |
| Room | 1500 | 2 | 3000 |

➡ **Below:**

* Discount: Input
* Tax %: Input
* **Total** (calculated)
* **[Finalize Invoice]** Button (PDF download option)

**📋 Example: Invoice History Table**

| **Invoice ID** | **Patient Name** | **Total** | **Date** | **Status** | **Action** |
| --- | --- | --- | --- | --- | --- |
| #302 | Sarah Akter | 4300 | 16-Jun-2025 | Finalized | View / Print PDF |

**DATABASE**

**🔹 1. Users**

sql

Copy code

UserID INT PRIMARY KEY IDENTITY

FullName NVARCHAR(100)

Email NVARCHAR(100) UNIQUE

PasswordHash NVARCHAR(255)

Role NVARCHAR(50) -- 'Admin', 'Receptionist', 'Accountant'

**🔹 2. Patients**

sql

Copy code

PatientID INT PRIMARY KEY IDENTITY

FullName NVARCHAR(100)

Gender NVARCHAR(10)

Age INT

Phone NVARCHAR(20)

AdmissionDate DATETIME

IsDischarged BIT

**🔹 3. Services**

sql

Copy code

ServiceID INT PRIMARY KEY IDENTITY

ServiceName NVARCHAR(100)

UnitCost DECIMAL(10, 2)

UnitType NVARCHAR(50) -- e.g., Per Day, Per Visit

**🔹 4. DraftInvoices**

sql

Copy code

DraftID INT PRIMARY KEY IDENTITY

PatientID INT FOREIGN KEY REFERENCES Patients(PatientID)

CreatedBy INT FOREIGN KEY REFERENCES Users(UserID)

CreatedAt DATETIME

Status NVARCHAR(20) -- 'Pending', 'Finalized'

**🔹 5. DraftInvoiceItems**

sql

Copy code

ItemID INT PRIMARY KEY IDENTITY

DraftID INT FOREIGN KEY REFERENCES DraftInvoices(DraftID)

ServiceID INT FOREIGN KEY REFERENCES Services(ServiceID)

Quantity INT

UnitCost DECIMAL(10, 2)

Subtotal DECIMAL(10, 2) -- Quantity × UnitCost

**🔹 6. Invoices**

sql

Copy code

InvoiceID INT PRIMARY KEY IDENTITY

PatientID INT FOREIGN KEY REFERENCES Patients(PatientID)

FinalizedBy INT FOREIGN KEY REFERENCES Users(UserID)

CreatedAt DATETIME

Subtotal DECIMAL(10, 2)

Discount DECIMAL(10, 2)

TaxPercentage DECIMAL(5, 2)

Total DECIMAL(10, 2)

**🔹 7. InvoiceItems**

sql

Copy code

InvoiceItemID INT PRIMARY KEY IDENTITY

InvoiceID INT FOREIGN KEY REFERENCES Invoices(InvoiceID)

ServiceID INT FOREIGN KEY REFERENCES Services(ServiceID)

Quantity INT

UnitCost DECIMAL(10, 2)

Subtotal DECIMAL(10, 2)

**🔹 8. ActivityLog *(Optional for Admin Monitoring)***

sql

Copy code

LogID INT PRIMARY KEY IDENTITY

UserID INT FOREIGN KEY REFERENCES Users(UserID)

Action NVARCHAR(255)

Timestamp DATETIME