

```
<!DOCTYPE html>
<html lang="ur" dir="rtl">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>ایک منٹ سسٹم | جنرل سٹور اینڈ میس</title>

  <script src="https://cdn.tailwindcss.com"></script>

  <link rel="preconnect" href="https://fonts.googleapis.com">
  <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
  <link
href="https://fonts.googleapis.com/css2?family=Inter:wght@400;500;600;700&display=swap"
rel="stylesheet">
  <link
href="https://fonts.googleapis.com/css2?family=Jameel+Noori+Nastaleeq&display=swap"
rel="stylesheet">

  <script src="https://cdn.jsdelivr.net/npm/chart.js"></script>
  <script
src="https://cdn.jsdelivr.net/npm/canvas-confetti@1.6.0/dist/confetti.browser.min.js"></script>
  <script src="https://cdn.jsdelivr.net/npm/sweetalert2@11"></script>
  <script
src="https://cdnjs.cloudflare.com/ajax/libs/html2pdf.js/0.9.3/html2pdf.bundle.min.js"></script>

  <style>
    body {
      font-family: 'Inter', 'Jameel Noori Nastaleeq', sans-serif;
      transition: background-color 0.3s ease;
    }
    .urdu { font-family: 'Jameel Noori Nastaleeq', serif; }
    .english { font-family: 'Inter', sans-serif; }
    .fade-in { animation: fadeIn 0.5s ease-in-out; }
    .slide-in { animation: slideIn 0.5s ease-in-out; }
    @keyframes fadeIn { from { opacity: 0; } to { opacity: 1; } }
    @keyframes slideIn { from { transform: translateY(20px); opacity: 0; } to { transform:
translateY(0); opacity: 1; } }
    .hidden { display: none; }
    ::-webkit-scrollbar { width: 8px; }
    ::-webkit-scrollbar-track { background: #f1f1f1; }
    ::-webkit-scrollbar-thumb { background: #888; border-radius: 10px; }
    ::-webkit-scrollbar-thumb:hover { background: #555; }
  </style>
</head>
<body class="bg-gray-100 dark:bg-gray-900 text-gray-800 dark:text-gray-200" dir="rtl">
```

```

<div id="login-screen" class="min-h-screen flex items-center justify-center bg-gray-200
dark:bg-gray-800 p-4 fade-in">
  <div class="w-full max-w-sm p-8 bg-white dark:bg-gray-900 rounded-2xl shadow-lg
text-center">
    <h1 class="text-3xl font-bold mb-2 urdu text-teal-600 dark:text-teal-400">ایک منٹ
سسٹم</h1>
    <p class="text-gray-600 dark:text-gray-400 mb-6 urdu">جنرل سٹور اینڈ میس</p>
    <form id="login-form">
      <div class="mb-4">
        <label for="password" class="block text-right mb-2 urdu">پاس ورڈ</label>
        <input type="password" id="password" class="w-full px-4 py-2 bg-gray-100
dark:bg-gray-800 border border-gray-300 dark:border-gray-700 rounded-lg
focus:outline-none focus:ring-2 focus:ring-teal-500 text-center" required>
      </div>
      <div class="mb-6">
        <label for="role" class="block text-right mb-2 urdu">رول منتخب کریں</label>
        <select id="role" class="w-full px-4 py-2 bg-gray-100 dark:bg-gray-800 border
border-gray-300 dark:border-gray-700 rounded-lg focus:outline-none focus:ring-2
focus:ring-teal-500">
          <option value="admin" class="urdu">ایڈمن</option>
          <option value="entry_clerk" class="urdu">انٹری کلرک</option>
          <option value="viewer" class="urdu">ویور</option>
        </select>
      </div>
      <button type="submit" class="w-full bg-teal-600 hover:bg-teal-700 text-white
font-bold py-2 px-4 rounded-lg transition duration-300 transform hover:scale-105 urdu">لاگ
ان کریں</button>
    </form>
    <p id="login-error" class="text-red-500 mt-4 hidden urdu">غلط پاس ورڈ۔</p>
  </div>
</div>

<div id="app" class="hidden">
  <div class="flex h-screen bg-gray-100 dark:bg-gray-900">
    <aside id="sidebar" class="w-64 bg-white dark:bg-gray-800 shadow-md flex-shrink-0
transition-all duration-300">
      <div class="p-4 border-b dark:border-gray-700 flex items-center justify-between">
        <h1 class="text-2xl font-bold text-teal-600 dark:text-teal-400 urdu">ایک منٹ
سسٹم</h1>
        <button id="logout-btn" class="text-red-500 hover:text-red-700
dark:hover:text-red-400 urdu">لاگ آؤٹ</button>
      </div>
      <nav class="mt-4">
        <a href="#dashboard" class="nav-link flex items-center px-4 py-3 text-gray-700
dark:text-gray-300 hover:bg-teal-100 dark:hover:bg-gray-700">
          <svg class="w-6 h-6 mr-3" fill="none" stroke="currentColor" viewBox="0 0 24
24" xmlns="http://www.w3.org/2000/svg"><path stroke-linecap="round"
stroke-linejoin="round" stroke-width="2" d="M3 12l2-2m0 0l7-7 7 7M5 10v10a1 1 0 01

```

1h3m10-11l2 2m-2-2v10a1 1 0 01-1 1h-3m-6 0a1 1 0 001-1V10a1 1 0 00-1-1H7a1 1 0 00-1
1v10a1 1 0 001 1h2z"></path></svg>

ڈیش بورڈ

<a href="#inventory" class="nav-link flex items-center px-4 py-3 text-gray-700
dark:text-gray-300 hover:bg-teal-100 dark: hover: bg-gray-700">

<svg class="w-6 h-6 mr-3" fill="none" stroke="currentColor" viewBox="0 0 24
24" xmlns="http://www.w3.org/2000/svg"><path stroke-linecap="round"
stroke-linejoin="round" stroke-width="2" d="M5 8h14M5 8a2 2 0 110-4h14a2 2 0 110 4M5
8v10a2 2 0 002 2h10a2 2 0 002-2V8m-9 4h4"></path></svg>

انوینٹری

<a href="#vouchers" class="nav-link flex items-center px-4 py-3 text-gray-700
dark:text-gray-300 hover:bg-teal-100 dark: hover: bg-gray-700">

<svg class="w-6 h-6 mr-3" fill="none" stroke="currentColor" viewBox="0 0 24
24" xmlns="http://www.w3.org/2000/svg"><path stroke-linecap="round"
stroke-linejoin="round" stroke-width="2" d="M9 12h6m-6 4h6m2 5H7a2 2 0 01-2-2V5a2 2 0
012-2h5.586a1 1 0 01.707.293l5.414 5.414a1 1 0 01.293.707V19a2 2 0 01-2
2z"></path></svg>

واؤچر / انٹری

<a href="#reports" class="nav-link flex items-center px-4 py-3 text-gray-700
dark:text-gray-300 hover:bg-teal-100 dark: hover: bg-gray-700">

<svg class="w-6 h-6 mr-3" fill="none" stroke="currentColor" viewBox="0 0 24
24" xmlns="http://www.w3.org/2000/svg"><path stroke-linecap="round"
stroke-linejoin="round" stroke-width="2" d="M9 17v-2m3 2v-4m3 4v-6m2 10H7a2 2 0
01-2-2V7a2 2 0 012-2h2l2-3h6l2 3h2a2 2 0 012 2v10a2 2 0 01-2 2z"></path></svg>

رپورٹس

<a href="#settings" class="nav-link flex items-center px-4 py-3 text-gray-700
dark:text-gray-300 hover:bg-teal-100 dark: hover: bg-gray-700">

<svg class="w-6 h-6 mr-3" fill="none" stroke="currentColor" viewBox="0 0 24
24" xmlns="http://www.w3.org/2000/svg"><path stroke-linecap="round"
stroke-linejoin="round" stroke-width="2" d="M10.325 4.317c.426-1.756 2.924-1.756 3.35
0a1.724 1.724 0 002.573 1.066c1.543-.94 3.31.826 2.37 2.37a1.724 1.724 0 001.065
2.572c1.756.426 1.756 2.924 0 3.35a1.724 1.724 0 00-1.066 2.573c.94 1.543-.826
3.31-2.37 2.37a1.724 1.724 0 00-2.572 1.065c-.426 1.756-2.924 1.756-3.35 0a1.724 1.724
0 00-2.573-1.066c-1.543-.94-3.31-.826-2.37-2.37a1.724 1.724 0
00-1.065-2.572c-1.756-.426-1.756-2.924 0-3.35a1.724 1.724 0
001.066-2.573c-.94-1.543-.826-3.31 2.37-2.37.996.608 2.296.07
2.572-1.065z"></path><path stroke-linecap="round" stroke-linejoin="round" stroke-width="2"
d="M15 12a3 3 0 11-6 0 3 3 0 016 0z"></path></svg>

سیٹنگز

</nav>

</aside>

<main class="flex-1 p-6 overflow-y-auto">

```

<section id="dashboard" class="page-content slide-in">
  <h2 class="text-3xl font-bold mb-6 urdu">ڈیش بورڈ</h2>
  <div class="grid grid-cols-1 md:grid-cols-2 lg:grid-cols-4 gap-6 mb-6">
    <div class="bg-blue-500 text-white p-6 rounded-xl shadow-lg">
      <h3 class="text-xl font-bold urdu">کل آئٹمز</h3>
      <p id="total-items" class="text-4xl font-extrabold">0</p>
    </div>
    <div class="bg-green-500 text-white p-6 rounded-xl shadow-lg">
      <h3 class="text-xl font-bold urdu">کل مالیت</h3>
      <p id="total-value" class="text-4xl font-extrabold">0</p>
    </div>
    <div class="bg-yellow-500 text-white p-6 rounded-xl shadow-lg">
      <h3 class="text-xl font-bold urdu">کم اسٹاک والے آئٹمز</h3>
      <p id="low-stock-items" class="text-4xl font-extrabold">0</p>
    </div>
    <div class="bg-red-500 text-white p-6 rounded-xl shadow-lg">
      <h3 class="text-xl font-bold urdu">ایکسپائرڈ آئٹمز</h3>
      <p id="expired-items" class="text-4xl font-extrabold">0</p>
    </div>
  </div>
  <div class="grid grid-cols-1 lg:grid-cols-2 gap-6">
    <div class="bg-white dark:bg-gray-800 p-6 rounded-xl shadow-lg">
      <h3 class="text-xl font-bold mb-4 urdu">اسٹاک بلحاظ کیٹیگری</h3>
      <canvas id="category-chart"></canvas>
    </div>
    <div class="bg-white dark:bg-gray-800 p-6 rounded-xl shadow-lg">
      <h3 class="text-xl font-bold mb-4 urdu">ماہانہ اخراجات</h3>
      <canvas id="monthly-usage-chart"></canvas>
    </div>
  </div>
</div>
</section>

```

```

<section id="inventory" class="page-content hidden slide-in">
  <div class="flex justify-between items-center mb-6">
    <h2 class="text-3xl font-bold urdu">انوینٹری مینجمنٹ</h2>
    <button id="add-item-btn" class="bg-teal-600 hover:bg-teal-700 text-white font-bold py-2 px-4 rounded-lg transition duration-300 urdu">نیا آئٹم شامل کریں</button>
  </div>
  <div class="bg-white dark:bg-gray-800 p-4 rounded-lg shadow-md mb-6 flex flex-wrap gap-4 items-center">
    <input type="text" id="inventory-search" placeholder="...آئٹم تلاش کریں" class="flex-grow p-2 border rounded-lg dark:bg-gray-700 dark:border-gray-600">
    <select id="inventory-category-filter" class="p-2 border rounded-lg dark:bg-gray-700 dark:border-gray-600">
      <option value="all" class="urdu">تمام کیٹیگریز</option>
    </select>
  </div>

```

```
<div class="overflow-x-auto bg-white dark:bg-gray-800 rounded-lg shadow-md">
```

```
<table class="w-full text-right">
  <thead class="bg-gray-200 dark:bg-gray-700">
    <tr>
      <th class="p-3 urdu">نام</th>
      <th class="p-3 urdu">کیٹیگری</th>
      <th class="p-3 urdu">یونٹ</th>
      <th class="p-3 urdu">قیمت</th>
      <th class="p-3 urdu">مقدار</th>
      <th class="p-3 urdu">ایکسپائری ڈیٹ</th>
      <th class="p-3 urdu">ایکشن</th>
    </tr>
  </thead>
  <tbody id="inventory-table-body">
    </tbody>
  </table>
```

```
</div>
```

```
</section>
```

```
<section id="vouchers" class="page-content hidden slide-in">
```

```
<h2 class="text-3xl font-bold mb-6 urdu">انٹری فارم / انٹری واؤچر</h2>
```

```
<div class="bg-white dark:bg-gray-800 p-8 rounded-xl shadow-lg max-w-4xl mx-auto">
```

```
<form id="voucher-form">
```

```
<div class="grid grid-cols-1 md:grid-cols-2 gap-6">
```

```
<div>
```

```
<label class="block mb-2 urdu font-semibold">ڈیپارٹمنٹ</label>
```

```
<select id="voucher-department" class="w-full p-3 border rounded-lg dark:bg-gray-700 dark:border-gray-600" required></select>
```

```
</div>
```

```
<div>
```

```
<label class="block mb-2 urdu font-semibold">اسٹاف کا نام</label>
```

```
<input type="text" id="voucher-staff" placeholder="اسٹاف کا نام" class="w-full p-3 border rounded-lg dark:bg-gray-700 dark:border-gray-600" required>
```

```
</div>
```

```
<div class="md:col-span-2">
```

```
<label class="block mb-2 urdu font-semibold">مقصد</label>
```

```
<input type="text" id="voucher-purpose" placeholder="استعمال کا مقصد" class="w-full p-3 border rounded-lg dark:bg-gray-700 dark:border-gray-600" required>
```

```
</div>
```

```
</div>
```

```
<hr class="my-6 dark:border-gray-600">
```

```
<h3 class="text-xl font-bold mb-4 urdu">آئٹمز شامل کریں</h3>
```

```
<div id="voucher-items-container">
```

```
</div>
```

```
<div class="flex justify-between items-center mt-4">
  <button type="button" id="add-voucher-item-btn" class="bg-blue-600
hover:bg-blue-700 text-white font-bold py-2 px-4 rounded-lg transition duration-300 urdu">+
آئٹم شامل کریں
  <button type="submit" class="bg-teal-600 hover:bg-teal-700 text-white
font-bold py-3 px-6 rounded-lg transition duration-300 text-lg urdu">واؤچر جمع کروائیں
</div>
</form>
</div>
</section>
```

```
<section id="reports" class="page-content hidden slide-in">
  <div class="flex justify-between items-center mb-6">
    <h2 class="text-3xl font-bold urdu">رپورٹس</h2>
    <button id="export-report-pdf" class="bg-red-600 hover:bg-red-700 text-white
font-bold py-2 px-4 rounded-lg transition duration-300 urdu">PDF ڈاؤنلوڈ کریں
  </div>
  <div class="bg-white dark:bg-gray-800 p-4 rounded-lg shadow-md mb-6 flex
flex-wrap gap-4 items-center">
    <input type="date" id="report-start-date" class="p-2 border rounded-lg
dark:bg-gray-700 dark:border-gray-600">
    <input type="date" id="report-end-date" class="p-2 border rounded-lg
dark:bg-gray-700 dark:border-gray-600">
    <select id="report-department-filter" class="p-2 border rounded-lg
dark:bg-gray-700 dark:border-gray-600">
      <option value="all" class="urdu">تمام ڈیپارٹمنٹ</option>
    </select>
    <select id="report-item-filter" class="p-2 border rounded-lg dark:bg-gray-700
dark:border-gray-600">
      <option value="all" class="urdu">تمام آئٹمز</option>
    </select>
    <button id="generate-report-btn" class="bg-teal-600 hover:bg-teal-700
text-white font-bold py-2 px-4 rounded-lg transition urdu">رپورٹ بنائیں
  </div>
  <div id="report-content" class="overflow-x-auto bg-white dark:bg-gray-800
rounded-lg shadow-md p-4">
    <h3 id="report-title" class="text-2xl font-bold mb-4 text-center urdu">رپورٹ کا
عنوان</h3>
    <table class="w-full text-right">
      <thead class="bg-gray-200 dark:bg-gray-700">
        <tr>
          <th class="p-3 urdu">تاریخ</th>
          <th class="p-3 urdu">آئٹم</th>
          <th class="p-3 urdu">ڈیپارٹمنٹ</th>
          <th class="p-3 urdu">مقدار</th>
          <th class="p-3 urdu">قیمت</th>
          <th class="p-3 urdu">کل قیمت</th>
        </tr>
      </thead>
    </table>
```

```

<th class="p-3 urdu">اسٹاف</th>
<th class="p-3 urdu">مقصد</th>
</tr>
</thead>
<tbody id="report-table-body">
</tbody>
</table>
<div class="mt-4 text-left font-bold text-xl">
<span class="urdu">ٹوٹل: </span>
<span id="report-total-value">0.00</span>
</div>
</div>
</section>

<section id="settings" class="page-content hidden slide-in">
<h2 class="text-3xl font-bold mb-6 urdu">سیٹنگز</h2>
<div class="grid grid-cols-1 md:grid-cols-2 gap-8">
<div class="bg-white dark:bg-gray-800 p-6 rounded-xl shadow-lg">
<h3 class="text-xl font-bold mb-4 urdu">ڈیپارٹمنٹس اور کیٹیگریز</h3>
<div class="mb-6">
<h4 class="font-semibold mb-2 urdu">ڈیپارٹمنٹس</h4>
<ul id="department-list" class="list-disc list-inside mb-2"></ul>
<form id="add-department-form" class="flex gap-2">
<input type="text" id="new-department-name" placeholder="نیا
ڈیپارٹمنٹ" class="flex-grow p-2 border rounded-lg dark:bg-gray-700 dark:border-gray-600"
required>
<button type="submit" class="bg-teal-500 hover:bg-teal-600 text-white
p-2 rounded-lg urdu">شامل کریں</button>
</form>
</div>
<div>
<h4 class="font-semibold mb-2 urdu">کیٹیگریز</h4>
<ul id="category-list" class="list-disc list-inside mb-2"></ul>
<form id="add-category-form" class="flex gap-2">
<input type="text" id="new-category-name" placeholder="نئی کیٹیگری"
class="flex-grow p-2 border rounded-lg dark:bg-gray-700 dark:border-gray-600" required>
<button type="submit" class="bg-teal-500 hover:bg-teal-600 text-white
p-2 rounded-lg urdu">شامل کریں</button>
</form>
</div>
</div>

<div class="bg-white dark:bg-gray-800 p-6 rounded-xl shadow-lg">
<h3 class="text-xl font-bold mb-4 urdu">ڈیٹا اور بیک اپ</h3>
<div class="space-y-4">
<button id="backup-data-btn" class="w-full bg-blue-600
hover:bg-blue-700 text-white font-bold py-3 px-4 rounded-lg transition duration-300 urdu">ڈیٹا
کا بیک اپ لیں (JSON)</button>

```

```

<div>
  <label for="restore-data-input" class="w-full text-center block
bg-green-600 hover:bg-green-700 text-white font-bold py-3 px-4 rounded-lg transition
duration-300 urdu cursor-pointer">
    ڈیٹا بحال کریں
  </label>
  <input type="file" id="restore-data-input" class="hidden"
accept=".json">
</div>
<button id="delete-all-data-btn" class="w-full bg-red-600
hover:bg-red-700 text-white font-bold py-3 px-4 rounded-lg transition duration-300 urdu">تمام
ڈیٹا ڈیلیٹ کریں
</button>
</div>
</div>
</div>
</section>
</main>
</div>
</div>

```

```

<div id="item-modal" class="fixed inset-0 bg-black bg-opacity-50 flex items-center
justify-center p-4 hidden z-50">
  <div class="bg-white dark:bg-gray-800 rounded-xl shadow-2xl p-8 w-full max-w-lg
slide-in">
    <h2 id="modal-title" class="text-2xl font-bold mb-6 urdu">آئٹم فارم</h2>
    <form id="item-form">
      <input type="hidden" id="item-id">
      <div class="grid grid-cols-1 md:grid-cols-2 gap-4">
        <div>
          <label class="block mb-1 urdu">نام</label>
          <input type="text" id="item-name" class="w-full p-2 border rounded
dark:bg-gray-700 dark:border-gray-600" required>
        </div>
        <div>
          <label class="block mb-1 urdu">کیٹیگری</label>
          <select id="item-category" class="w-full p-2 border rounded dark:bg-gray-700
dark:border-gray-600" required>
        </div>
        <div>
          <label class="block mb-1 urdu">یونٹ (کلو، لیٹر، عدد)</label>
          <input type="text" id="item-unit" class="w-full p-2 border rounded
dark:bg-gray-700 dark:border-gray-600" required>
        </div>
        <div>
          <label class="block mb-1 urdu">(قیمت فی یونٹ)</label>
          <input type="number" id="item-price" class="w-full p-2 border rounded
dark:bg-gray-700 dark:border-gray-600" required min="0">
        </div>
      </div>
    </form>
  </div>
</div>

```



```

<div>
  <label class="block mb-1 urdu">اسٹاک میں</label>
  <input type="number" id="item-quantity" class="w-full p-2 border rounded
dark:bg-gray-700 dark:border-gray-600" required min="0">
</div>
<div>
  <label class="block mb-1 urdu">کم اسٹاک لیول</label>
  <input type="number" id="item-low-stock" class="w-full p-2 border rounded
dark:bg-gray-700 dark:border-gray-600" required min="0">
</div>
<div class="md:col-span-2">
  <label class="block mb-1 urdu">ایکسپائر ڈیٹ</label>
  <input type="date" id="item-expiry" class="w-full p-2 border rounded
dark:bg-gray-700 dark:border-gray-600">
</div>
</div>
<div class="mt-6 flex justify-end gap-4">
  <button type="button" id="cancel-item-modal" class="bg-gray-300
hover:bg-gray-400 text-gray-800 font-bold py-2 px-4 rounded urdu">منسوخ کریں</button>
  <button type="submit" class="bg-teal-600 hover:bg-teal-700 text-white font-bold
py-2 px-4 rounded urdu">محفوظ کریں</button>
</div>
</form>
</div>
</div>

```

```

<script>
document.addEventListener('DOMContentLoaded', () => {

```

```

// --- App State & Database ---
const DB_KEY = 'oneMinuteSystemDB';

```

```

let db = {
  items: [],
  categories: [],
  departments: [],
  transactions: [],
  settings: {
    user: null,
    password: {
      admin: 'admin123',
      entry_clerk: 'clerk123',
      viewer: 'view123'
    }
  }
};

```

```

const loadDB = () => {
  const data = localStorage.getItem(DB_KEY);
  if (data) {
    db = JSON.parse(data);
  } else {
    // Initialize with default data if DB is empty
    db.categories = [
      { id: 1, name: 'ٹرائے سٹور' }, { id: 2, name: 'گوشت' },
      { id: 3, name: 'سبزیاں' }, { id: 4, name: 'ٹیری' },
      { id: 5, name: 'مشروبات' }, { id: 6, name: 'بیکری' },
      { id: 7, name: 'ڈسپوزیبل' }
    ];
    db.departments = [
      { id: 1, name: 'ناشتہ' }, { id: 2, name: 'دوپہر کا کھانا' },
      { id: 3, name: 'رات کا کھانا' }, { id: 4, name: 'چائے بار' },
      { id: 5, name: 'باربی کیو' }, { id: 6, name: 'بیکری' },
      { id: 7, name: 'کیفے' }, { id: 8, name: 'دفتری استعمال' }
    ];
    saveDB();
  }
};

```

```

const saveDB = () => {
  localStorage.setItem(DB_KEY, JSON.stringify(db));
};

```

```

const generateId = () => Date.now();

```

```

// --- UI Elements ---

```

```

const loginScreen = document.getElementById('login-screen');
const appScreen = document.getElementById('app');
const loginForm = document.getElementById('login-form');
const passwordInput = document.getElementById('password');
const roleInput = document.getElementById('role');
const loginError = document.getElementById('login-error');
const logoutBtn = document.getElementById('logout-btn');
const navLinks = document.querySelectorAll('.nav-link');
const pages = document.querySelectorAll('.page-content');

```

```

// --- Authentication ---

```

```

loginForm.addEventListener('submit', (e) => {
  e.preventDefault();
  const role = roleInput.value;
  const password = passwordInput.value;
  if (db.settings.password[role] === password) {
    db.settings.user = { role };
    saveDB();
    showApp();
  }
});

```

```

    } else {
      loginError.classList.remove('hidden');
    }
  });

logoutBtn.addEventListener('click', () => {
  db.settings.user = null;
  saveDB();
  loginScreen.classList.remove('hidden');
  appScreen.classList.add('hidden');
  passwordInput.value = "";
  loginError.classList.add('hidden');
});

const showApp = () => {
  loginScreen.classList.add('hidden');
  appScreen.classList.remove('hidden');
  applyRoles();
  navigateTo('dashboard');
  renderAll();
};

const applyRoles = () => {
  const role = db.settings.user.role;
  const isAdmin = role === 'admin';
  const isClerk = role === 'entry_clerk';
  const isViewer = role === 'viewer';

  // Show/hide based on role
  document.querySelector('a[href="#settings"]').style.display = isAdmin ? 'flex' : 'none';
  document.querySelector('a[href="#inventory"]').style.display = (isAdmin || isViewer) ?
'flex' : 'none';
  document.querySelector('a[href="#reports"]').style.display = (isAdmin || isViewer) ?
'flex' : 'none';
  document.querySelector('a[href="#vouchers"]').style.display = (isAdmin || isClerk) ?
'flex' : 'none';
  document.getElementById('add-item-btn')?.style.setProperty('display', isAdmin ?
'block' : 'none', 'important');

  // Disable editing for non-admins
  document.querySelectorAll('.admin-only').forEach(el => el.disabled = !isAdmin);
};

// --- Navigation ---
const navigateTo = (pageId) => {
  pages.forEach(page => page.classList.add('hidden'));
  document.getElementById(pageId).classList.remove('hidden');
  navLinks.forEach(link => {

```

```

        link.classList.remove('bg-teal-100', 'dark:bg-gray-700');
        if(link.getAttribute('href') === `#${pagelId}`) {
            link.classList.add('bg-teal-100', 'dark:bg-gray-700');
        }
    });
    if(pagelId === 'dashboard') renderDashboard();
    if(pagelId === 'inventory') renderInventory();
    if(pagelId === 'vouchers') renderVoucherForm();
    if(pagelId === 'reports') renderReportsPage();
    if(pagelId === 'settings') renderSettings();
};

navLinks.forEach(link => {
    link.addEventListener('click', (e) => {
        e.preventDefault();
        const pagelId = link.getAttribute('href').substring(1);
        navigateTo(pagelId);
    });
});

// --- Render Functions ---
const renderAll = () => {
    renderDashboard();
    renderInventory();
    renderVoucherForm();
    renderReportsPage();
    renderSettings();
    populateDropdowns();
};

const populateDropdowns = () => {
    const categorySelects = document.querySelectorAll('#item-category,
#inventory-category-filter');
    const departmentSelects = document.querySelectorAll('#voucher-department,
#report-department-filter');
    const itemSelects = document.querySelectorAll('.voucher-item-select,
#report-item-filter');

    categorySelects.forEach(select => {
        const isFilter = select.id.includes('filter');
        select.innerHTML = isFilter ? '<option value="all" class="urdu">تمام</option>' : '';
        db.categories.forEach(cat => select.innerHTML += `<option
value="${cat.id}">${cat.name}</option>`);
    });

    departmentSelects.forEach(select => {
        const isFilter = select.id.includes('filter');

```

```

        select.innerHTML = isFilter ? '<option value="all" class="urdu">تمام
        </option>' : '';
        db.departments.forEach(dept => select.innerHTML += `<option
        value="${dept.id}">${dept.name}</option>`);
    });

    itemSelects.forEach(select => {
        const isFilter = select.id.includes('filter');
        select.innerHTML = isFilter ? '<option value="all" class="urdu">تمام آئٹمز
        </option>' :
        ";
        db.items.forEach(item => select.innerHTML += `<option
        value="${item.id}">${item.name} (${item.unit})</option>`);
    });
};

// Dashboard
let categoryChart = null;
let monthlyUsageChart = null;
const renderDashboard = () => {
    const totalItems = db.items.length;
    const totalValue = db.items.reduce((sum, item) => sum + (item.price * item.quantity),
0);
    const lowStockItems = db.items.filter(item => item.quantity <= item.lowStock).length;
    const today = new Date().toLocaleString().split('T')[0];
    const expiredItems = db.items.filter(item => item.expiry && item.expiry <
today).length;

    document.getElementById('total-items').textContent = totalItems;
    document.getElementById('total-value').textContent = `Rs
    ${totalValue.toLocaleString()}`;
    document.getElementById('low-stock-items').textContent = lowStockItems;
    document.getElementById('expired-items').textContent = expiredItems;

    // Category Chart
    const catCtx = document.getElementById('category-chart').getContext('2d');
    const categoryData = {
        labels: db.categories.map(c => c.name),
        datasets: [{
            label: 'آئٹمز کی تعداد',
            data: db.categories.map(c => db.items.filter(i => i.categoryId == c.id).length),
            backgroundColor: ['#3498db', '#2ecc71', '#e74c3c', '#f1c40f', '#9b59b6',
'#1abc9c', '#e67e22'],
        }]
    };
    if(categoryChart) categoryChart.destroy();
    categoryChart = new Chart(catCtx, { type: 'doughnut', data: categoryData });

    // Monthly Usage Chart

```

```

const usageCtx = document.getElementById('monthly-usage-chart').getContext('2d');
const monthlyData = {
  labels: Array.from({length: 12}, (_, i) => new Date(0, i).toLocaleString('default', {
month: 'long' })),
  datasets: [{
    label: 'ماہانہ اخراجات (Rs)',
    data: Array.from({length: 12}, (_, i) => {
      return db.transactions
        .filter(t => t.type === 'out' && new Date(t.date).getMonth() === i)
        .reduce((sum, t) => sum + t.totalPrice, 0);
    }),
    borderColor: '#2ecc71',
    backgroundColor: 'rgba(46, 204, 113, 0.2)',
    fill: true,
    tension: 0.4
  }]
};
if(monthlyUsageChart) monthlyUsageChart.destroy();
monthlyUsageChart = new Chart(usageCtx, { type: 'line', data: monthlyData });
};

```

```

// Inventory
const inventoryTableBody = document.getElementById('inventory-table-body');
const renderInventory = () => {
  inventoryTableBody.innerHTML = "";
  const searchTerm =
document.getElementById('inventory-search').value.toLowerCase();
  const categoryFilter = document.getElementById('inventory-category-filter').value;

  const filteredItems = db.items.filter(item => {
    const nameMatch = item.name.toLowerCase().includes(searchTerm);
    const categoryMatch = categoryFilter === 'all' || item.categoryId == categoryFilter;
    return nameMatch && categoryMatch;
  });

  if (filteredItems.length === 0) {
    inventoryTableBody.innerHTML = `<tr><td colspan="7" class="p-4 text-center
urdu">کوئی آئٹم نہیں ملا.</td></tr>`;
    return;
  }
}

```

```

filteredItems.forEach(item => {
  const category = db.categories.find(c => c.id == item.categoryId)?.name || 'N/A';
  const isLowStock = item.quantity <= item.lowStock;
  const today = new Date().toLocaleDateString().split('T')[0];
  const isExpired = item.expiry && item.expiry < today;
  let rowClass = "";
  if(isLowStock) rowClass = 'bg-yellow-100 dark:bg-yellow-900/50';
}

```

```

    if(isExpired) rowClass = 'bg-red-100 dark:bg-red-900/50';

    const tr = document.createElement('tr');
    tr.className = `border-b dark:border-gray-700 hover:bg-gray-50
dark:hover:bg-gray-700/50 ${rowClass}`;
    tr.innerHTML = `
      <td class="p-3 font-semibold">${item.name}</td>
      <td class="p-3">${category}</td>
      <td class="p-3">${item.unit}</td>
      <td class="p-3">${item.price.toLocaleString()}</td>
      <td class="p-3 font-bold">${item.quantity}</td>
      <td class="p-3">${item.expiry || 'N/A'}</td>
      <td class="p-3">
        <button class="edit-item-btn text-blue-500 hover:text-blue-700 mr-2
admin-only" data-id="${item.id}">ترميم</button>
        <button class="delete-item-btn text-red-500 hover:text-red-700 admin-only"
data-id="${item.id}">حذف</button>
      </td>
    `;
    inventoryTableBody.appendChild(tr);
  });
  applyRoles();
};

document.getElementById('inventory-search').addEventListener('input',
renderInventory);
document.getElementById('inventory-category-filter').addEventListener('change',
renderInventory);

// Voucher Form
const voucherItemsContainer = document.getElementById('voucher-items-container');
const renderVoucherForm = () => {
  voucherItemsContainer.innerHTML = "";
  document.getElementById('voucher-form').reset();
  addVoucherItemRow();
};

const addVoucherItemRow = () => {
  const rowId = generateId();
  const div = document.createElement('div');
  div.className = 'grid grid-cols-12 gap-2 items-center mb-3 voucher-item-row';
  div.dataset.id = rowId;

  let itemOptions = "";
  db.items.forEach(item => {
    itemOptions += `<option value="${item.id}">${item.name} (بقية:
${item.quantity})</option>`;
  });

```

```

div.innerHTML = `
  <div class="col-span-6">
    <select class="w-full p-2 border rounded dark:bg-gray-700 dark:border-gray-600
voucher-item-select" required>${itemOptions}</select>
  </div>
  <div class="col-span-4">
    <input type="number" placeholder="مقدار" min="1" class="w-full p-2 border
rounded dark:bg-gray-700 dark:border-gray-600 voucher-item-quantity" required>
  </div>
  <div class="col-span-2">
    <button type="button" class="remove-voucher-item-btn w-full bg-red-500
hover:bg-red-600 text-white font-bold p-2 rounded">&times;</button>
  </div>
`;
voucherItemsContainer.appendChild(div);
};

```

```

document.getElementById('add-voucher-item-btn').addEventListener('click',
addVoucherItemRow);

```

```

voucherItemsContainer.addEventListener('click', (e) => {
  if (e.target.classList.contains('remove-voucher-item-btn')) {
    e.target.closest('.voucher-item-row').remove();
  }
});

```

```

document.getElementById('voucher-form').addEventListener('submit', (e) => {
  e.preventDefault();
  const departmentId = document.getElementById('voucher-department').value;
  const departmentName = db.departments.find(d => d.id == departmentId).name;
  const staffName = document.getElementById('voucher-staff').value;
  const purpose = document.getElementById('voucher-purpose').value;
  const date = new Date().toISOString();

```

```

const itemRows = document.querySelectorAll('.voucher-item-row');
let allQuantitiesValid = true;

```

```

itemRows.forEach(row => {
  const itemId = row.querySelector('.voucher-item-select').value;
  const quantity = parseInt(row.querySelector('.voucher-item-quantity').value);
  const item = db.items.find(i => i.id == itemId);

```

```

  if(quantity > item.quantity){
    Swal.fire({
      icon: 'error',
      title: 'ناکافی اسٹاک',
      text: `اسٹاک میں موجود مقدار (${quantity}) کی مطلوبہ مقدار "${item.name}" آنتم `
        `(${item.quantity}) سے زیادہ ہے۔`
    });
  }

```



```

        confirmButtonText: 'تھیک ہے',
        customClass: { title: 'urdu', htmlContainer: 'urdu', confirmButton: 'urdu'}
    });
    allQuantitiesValid = false;
    return;
}

item.quantity -= quantity; // Deduct from inventory

db.transactions.push({
    id: generateId(),
    type: 'out',
    itemId,
    departmentId,
    staffName,
    purpose,
    quantity,
    price: item.price,
    totalPrice: item.price * quantity,
    date
});
});

if (allQuantitiesValid) {
    saveDB();
    Swal.fire({
        icon: 'success',
        title: 'اکمیاہی!',
        text: `کا واؤچر کامیابی سے جمع ہو گیا ہے۔ ${departmentName}`,
        timer: 2000,
        showConfirmButton: false,
        customClass: { title: 'urdu', htmlContainer: 'urdu'}
    });
    confetti({ particleCount: 150, spread: 90, origin: { y: 0.6 } });
    renderVoucherForm();
    renderAll();
}
});

// Reports
const reportTableBody = document.getElementById('report-table-body');
const renderReportsPage = () => {
    document.getElementById('report-start-date').value = new Date(new
Date().setDate(1)).toISOString().split('T')[0]; // First day of month
    document.getElementById('report-end-date').value = new
Date().toISOString().split('T')[0]; // Today
    generateReport();
};

```

```

const generateReport = () => {
  const startDate = document.getElementById('report-start-date').value;
  const endDate = document.getElementById('report-end-date').value;
  const deptFilter = document.getElementById('report-department-filter').value;
  const itemFilter = document.getElementById('report-item-filter').value;

  const filteredTransactions = db.transactions.filter(t => {
    const transactionDate = t.date.split('T')[0];
    const dateMatch = (!startDate || transactionDate >= startDate) && (!endDate ||
transactionDate <= endDate);
    const deptMatch = deptFilter === 'all' || t.departmentId == deptFilter;
    const itemMatch = itemFilter === 'all' || t.itemId == itemFilter;
    return t.type === 'out' && dateMatch && deptMatch && itemMatch;
  });

  reportTableBody.innerHTML = "";
  let totalValue = 0;
  if (filteredTransactions.length === 0) {
    reportTableBody.innerHTML = `<tr><td colspan="8" class="p-4 text-center
urdu">اس فلٹر کے ساتھ کوئی ریکارڈ نہیں ملا.</td></tr>`;
    document.getElementById('report-total-value').textContent = 'Rs 0.00';
    return;
  }

  filteredTransactions.sort((a,b) => new Date(b.date) - new Date(a.date)).forEach(t => {
    const item = db.items.find(i => i.id == t.itemId);
    const department = db.departments.find(d => d.id == t.departmentId);
    const tr = document.createElement('tr');
    tr.className = 'border-b dark:border-gray-700';
    tr.innerHTML = `
      <td class="p-3">${new Date(t.date).toLocaleDateString()}</td>
      <td class="p-3">${item?.name || 'ڈیلیٹ شدہ'}</td>
      <td class="p-3">${department?.name || 'ڈیلیٹ شدہ'}</td>
      <td class="p-3">${t.quantity}</td>
      <td class="p-3">${t.price.toLocaleString()}</td>
      <td class="p-3 font-semibold">${t.totalPrice.toLocaleString()}</td>
      <td class="p-3">${t.staffName}</td>
      <td class="p-3">${t.purpose}</td>
    `;
    reportTableBody.appendChild(tr);
    totalValue += t.totalPrice;
  });
  document.getElementById('report-total-value').textContent = `Rs
${totalValue.toLocaleString()}`;
};

```

```

document.getElementById('generate-report-btn').addEventListener('click',
generateReport);
document.getElementById('export-report-pdf').addEventListener('click', () => {
  const element = document.getElementById('report-content');
  const opt = {
    margin: 0.5,
    filename: 'report.pdf',
    image: { type: 'jpeg', quality: 0.98 },
    html2canvas: { scale: 2, useCORS: true },
    jsPDF: { unit: 'in', format: 'letter', orientation: 'portrait' }
  };
  html2pdf().set(opt).from(element).save();
});

// Settings
const renderSettings = () => {
  // Departments
  const deptList = document.getElementById('department-list');
  deptList.innerHTML = "";
  db.departments.forEach(dept => {
    deptList.innerHTML += `<li class="mb-1">${dept.name} <button
class="delete-dept-btn text-red-500 text-xs ml-2 admin-only"
data-id="${dept.id}">(حذف)</button></li>`;
  });
  // Categories
  const catList = document.getElementById('category-list');
  catList.innerHTML = "";
  db.categories.forEach(cat => {
    catList.innerHTML += `<li class="mb-1">${cat.name} <button class="delete-cat-btn
text-red-500 text-xs ml-2 admin-only" data-id="${cat.id}">(حذف)</button></li>`;
  });
  applyRoles();
};

// --- CRUD Operations ---

// Item Modal
const itemModal = document.getElementById('item-modal');
const itemForm = document.getElementById('item-form');
const modalTitle = document.getElementById('modal-title');

document.getElementById('add-item-btn').addEventListener('click', () => {
  itemForm.reset();
  document.getElementById('item-id').value = "";
  modalTitle.textContent = 'نیا آئٹم شامل کریں';
  itemModal.classList.remove('hidden');
});

```

```

document.getElementById('cancel-item-modal').addEventListener('click', () => {
    itemModal.classList.add('hidden');
});

inventoryTableBody.addEventListener('click', e => {
    if(e.target.classList.contains('edit-item-btn')) {
        const id = e.target.dataset.id;
        const item = db.items.find(i => i.id == id);
        document.getElementById('item-id').value = item.id;
        document.getElementById('item-name').value = item.name;
        document.getElementById('item-category').value = item.categoryId;
        document.getElementById('item-unit').value = item.unit;
        document.getElementById('item-price').value = item.price;
        document.getElementById('item-quantity').value = item.quantity;
        document.getElementById('item-low-stock').value = item.lowStock;
        document.getElementById('item-expiry').value = item.expiry;
        modalTitle.textContent = 'آئٹم میں ترمیم کریں';
        itemModal.classList.remove('hidden');
    }
    if(e.target.classList.contains('delete-item-btn')) {
        const id = e.target.dataset.id;
        Swal.fire({
            title: 'کیا آپ واقعی حذف کرنا چاہتے ہیں؟',
            text: 'یہ عمل واپس نہیں کیا جا سکتا',
            icon: 'warning',
            showCancelButton: true,
            confirmButtonColor: '#d33',
            cancelButtonColor: '#3085d6',
            confirmButtonText: 'ہاں، حذف کریں',
            cancelButtonText: 'منسوخ',
            customClass: { title: 'urdu', htmlContainer: 'urdu', confirmButton: 'urdu',
cancelButton: 'urdu'
        }).then((result) => {
            if (result.isConfirmed) {
                db.items = db.items.filter(i => i.id != id);
                saveDB();
                renderInventory();
                Swal.fire({title: 'آئٹم کامیابی سے حذف ہو گیا ہے۔', icon: 'success',
customClass: { title: 'urdu', htmlContainer: 'urdu', confirmButton: 'urdu'}});
            }
        });
    }
});

itemForm.addEventListener('submit', e => {
    e.preventDefault();
    const id = document.getElementById('item-id').value;

```

```

const newItem = {
  id: id ? parseInt(id) : generateId(),
  name: document.getElementById('item-name').value,
  categoryId: parseInt(document.getElementById('item-category').value),
  unit: document.getElementById('item-unit').value,
  price: parseFloat(document.getElementById('item-price').value),
  quantity: parseInt(document.getElementById('item-quantity').value),
  lowStock: parseInt(document.getElementById('item-low-stock').value),
  expiry: document.getElementById('item-expiry').value,
};
if(id) { // Update
  const index = db.items.findIndex(i => i.id == id);
  db.items[index] = newItem;
} else { // Create
  db.items.push(newItem);
}
saveDB();
itemModal.classList.add('hidden');
renderInventory();
renderAll();
});

// Settings forms (Departments & Categories)
document.getElementById('add-department-form').addEventListener('submit', e => {
  e.preventDefault();
  const name = document.getElementById('new-department-name').value;
  if (name && !db.departments.some(d => d.name === name)) {
    db.departments.push({ id: generateId(), name });
    saveDB();
    renderSettings();
    populateDropdowns();
    e.target.reset();
  }
});
document.getElementById('add-category-form').addEventListener('submit', e => {
  e.preventDefault();
  const name = document.getElementById('new-category-name').value;
  if (name && !db.categories.some(c => c.name === name)) {
    db.categories.push({ id: generateId(), name });
    saveDB();
    renderSettings();
    populateDropdowns();
    e.target.reset();
  }
});

document.getElementById('settings').addEventListener('click', e => {
  if (e.target.classList.contains('delete-dept-btn')) {

```

```

    const id = e.target.dataset.id;
    db.departments = db.departments.filter(d => d.id !== id);
  }
  if (e.target.classList.contains('delete-cat-btn')) {
    const id = e.target.dataset.id;
    db.categories = db.categories.filter(c => c.id !== id);
  }
  saveDB();
  renderSettings();
  populateDropdowns();
});

```

```

// Data Backup/Restore
document.getElementById('backup-data-btn').addEventListener('click', () => {
  const dataStr = JSON.stringify(db, null, 2);
  const dataUri = 'data:application/json;charset=utf-8,'+
encodeURIComponent(dataStr);
  const exportFileDefaultName = 'one-minute-system-backup.json';
  const linkElement = document.createElement('a');
  linkElement.setAttribute('href', dataUri);
  linkElement.setAttribute('download', exportFileDefaultName);
  linkElement.click();
});

document.getElementById('restore-data-input').addEventListener('change', (e) => {
  const file = e.target.files[0];
  if (!file) return;
  const reader = new FileReader();
  reader.onload = function(event) {
    try {
      const restoredDb = JSON.parse(event.target.result);
      // Basic validation
      if(restoredDb.items && restoredDb.categories && restoredDb.departments){
        db = restoredDb;
        saveDB();
        renderAll();
        Swal.fire('ڈیٹا کامیابی سے بحال ہو گیا', 'کامیاب', 'success');
      } else {
        Swal.fire('فائل کی ساخت درست نہیں ہے۔', 'خرابی', 'error');
      }
    } catch(err) {
      Swal.fire('فائل پڑھنے میں ناکامی۔ JSON', 'خرابی', 'error');
    }
  };
  reader.readAsText(file);
  e.target.value = ""; // Reset input
});

```

```

document.getElementById('delete-all-data-btn').addEventListener('click', () => {
  Swal.fire({
    title: 'کیا آپ واقعی تمام ڈیٹا حذف کرنا چاہتے ہیں؟',
    text: "ایہ عمل واپس نہیں کیا جا سکتا اور سب کچھ مٹ جائے گا",
    icon: 'error',
    showCancelButton: true,
    confirmButtonColor: '#d33',
    cancelButtonColor: '#3085d6',
    confirmButtonText: 'ہاں، سب کچھ حذف کریں',
    cancelButtonText: 'منسوخ',
    customClass: { title: 'urdu', htmlContainer: 'urdu', confirmButton: 'urdu',
cancelButton: 'urdu'}
  }).then((result) => {
    if (result.isConfirmed) {
      localStorage.removeItem(DB_KEY);
      db = { items: [], categories: [], departments: [], transactions: [], settings:
db.settings }; // keep settings
      loadDB(); // re-init with defaults
      renderAll();
      Swal.fire({title: 'حذف کر دیا گیا!', text: '-تمام ڈیٹا کامیابی سے حذف ہو گیا ہے-', icon: 'success',
customClass: { title: 'urdu', htmlContainer: 'urdu', confirmButton: 'urdu'}});
    }
  });
});

// --- Initial Load ---
loadDB();
if (db.settings.user) {
  showApp();
} else {
  loginScreen.classList.remove('hidden');
}
});
</script>
</body>
</html>

```