

# **GEMS AND GRACE**



A

Human Computer Interface Course Project Report

in partial fulfilment of the degree

**Bachelor of Technology**  
in  
**School of Computer Science and Artificial Intelligence**

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## **SCHOOL OF COMPUTER SCIENCE & ARTIFICIAL INTELLIGENCE**

### **CERTIFICATE**

This is to certify that the **Human Computer Interface** Report entitled “**GEMS AND GRACE**” is a record of bonafide work carried out by the student B.Vaishnavi, P.Nandhini bearing Roll No(s) 2303A51657, 2303A51695 during the academic year 2024-25 in partial fulfillment of the award of the degree of *Bachelor of Technology* in *School of Computer Science & Artificial Intelligence* by the SR University, Ananthasagar , Hanamkonda.

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## ABSTRACT

*Gems and Grace* is a modern and user-centric platform dedicated to simplifying the process of renting, buying, and selling homes. The website connects property owners and seekers, offering a seamless and intuitive experience. By integrating advanced search filters, detailed property descriptions, high-quality images, and virtual tours, *Gems and Grace* ensures users find their perfect home with ease.

Our platform also incorporates secure payment gateways, personalized recommendations, and robust customer support to enhance trust and convenience. With an emphasis on transparency and accessibility, *Gems and Grace* aspires to be the ultimate destination for all housing needs, bridging the gap between dream homes and their future residents.

## OBJECTIVE

The primary objective of *Gems and Grace* is to create a reliable, efficient, and user-friendly platform for individuals and families to rent, buy, or sell properties. By leveraging innovative technology and prioritizing customer satisfaction, the website aims to:

- Simplify the property search and listing process through advanced filters and intuitive navigation.
- Provide accurate and detailed property information to ensure transparency and informed decision-making.
- Offer secure and seamless communication between property owners and seekers.
- Facilitate a safe and efficient transaction process with integrated payment solutions.
- Enhance user experience through personalized recommendations and exceptional support services.

Through these objectives, *Gems and Grace* strives to make finding and managing properties effortless, bridging the gap between people and their dream homes.

## Existing System

In the current landscape of house rental and selling platforms, users often face challenges such as:

- Limited or cluttered search functionality, making it difficult to find properties that match specific preferences.
- Inconsistent or incomplete property descriptions and images, reducing the reliability of listings.
- Lack of personalized filters or advanced search options to cater to diverse user needs.
- Inefficient navigation that hinders quick property discovery.
- Limited transparency in communication between property owners and seekers.

These shortcomings make it harder for users to find properties that truly align with their requirements and preferences.

## Proposed System

The proposed system for *Gems and Grace* introduces an advanced filter option to address the gaps in the existing systems. Key improvements include:

- **Advanced Filter Options:** Users can refine searches based on parameters such as location, budget, property type, number of rooms, amenities, pet-friendliness, furnishing status, and more.
- **Real-Time Search Results:** Instant updates on availability, ensuring users only view current listings.
- **Enhanced Property Descriptions:** Detailed listings with high-quality images, videos, and virtual tours for a comprehensive view of properties.
- **User-Friendly Interface:** Simplified navigation for quick access to relevant properties.
- **Personalization:** Filters that adapt to user behavior and preferences, providing tailored property suggestions.
- **Secure and Transparent Communication:** Tools for seamless and verified interaction between property owners and seekers.

The introduction of a robust filtering system ensures that users save time and effort while finding properties that perfectly suit their needs, making *Gems and Grace* a more efficient and user-centric platform.



## **SOFTWARE REQUIREMENTS:**

### **TECHNICAL REQUIREMENTS:**

- HTML
- CSS
- JAVASCRIPT

### **HARDWARE REQUIREMENTS:**

#### **1. Client-Side (User Requirements):**

- Device: Desktop, laptop, tablet, or smartphone.
- Browser: Latest version of Chrome, Firefox, Edge, or Safari.
- Internet: Stable broadband or mobile data connection.

#### **2. Server-Side (Development & Hosting):**

- **Processor:** Multi-core processor (Intel i5 or higher).
- **RAM:** 16 GB or higher for seamless development and hosting.
- **Storage:**
  - Development: 1 TB SSD or HDD for storing project files and assets.
  - Server: Scalable cloud storage for hosting databases and media files.
- **Network:** High-speed, reliable internet for hosting and deployment.

#### **3. Backup and Recovery:**

- Dedicated backup servers or cloud storage solutions for regular data backups.

By ensuring these software and hardware requirements, *Gems and Grace* can deliver a robust, scalable, and secure platform to meet user expectations effectively.

## ELEMENTS USED IN THE PROJECT:

### 1. Frontend Development:

- **HTML:** Structures web pages with sections for property listings, search, and filters.
- **CSS:** Styles the website for aesthetics and ensures it adapts to different screen sizes (responsive design).
- **JavaScript:** Adds interactivity like live search, dynamic filters, and property detail pop-ups.

### 2. Features:

- **Advanced Filters:** Users can search properties by location, price, size, amenities, etc.
- **User Dashboards:**
  - Buyers/Renters: Manage saved properties and queries.
  - Sellers: Add, edit, and monitor listings.
- **Virtual Tours:** Immersive 360-degree views of properties for better user experience.
- **Secure Communication:** Contact forms or chat modules for owner-seeker interaction.

### 3. Hosting and Deployment:

Cloud servers (AWS/Google Cloud) and CDN for reliability and speed.

This combination ensures a robust, feature-rich platform for an optimal user experience in property renting, buying, and selling.

# IMPLEMENTATION:

## LOGIN PAGE (HTML):

```
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Login Page</title>

    <link rel="stylesheet" href="style.css">

</head>

<body>

    <div class="container">

        <form id="loginForm">

            <h1>GEMS AND GRACE</h1>

            <h2>Happy Stays!</h2>

            <div class="login-container">

                <h2>Login</h2>

                <input type="text" id="username" placeholder="Username" required>

                <input type="password" id="password" placeholder="Password" required>

                <button type="submit">Login</button>

                <p class="message">

                    Not registered? <a href="create_account.html">Create an account</a>

                </p>

            </div>

        </form>

    </div>

<script>
```

```
document.getElementById('loginForm').addEventListener('submit', function(event) {

    event.preventDefault();

    const username = document.getElementById('username').value;

    const password = document.getElementById('password').value;


    // Simple authentication check (for demonstration)

    if (username === 'vaishnavibathini' && password === 'Vaishu@0512') {

        window.location.href = 'welcome.html';

    } else {

        alert('Invalid username or password');

    }

});

</script>

</body>

</html>
```

## LOGIN PAGE (CSS):

```
body {

    font-family: Arial, sans-serif;

    background-color: #f4f4f4;

    display: flex;

    justify-content: center;

    align-items: center;

    height: 100vh;

    margin: 0;

}

body {

    background-image: url('https://i.ibb.co/ccMtrxC/download-3.jpg');

    background-repeat: no-repeat;

    background-attachment: fixed;
```

```
background-size: 100% 100%;

}

.container {

background: rgb(185, 174, 174);

padding: 35px;

border-radius: 10px;

box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);

width: 350px;

}
```

```
h1 {

text-align: center;

}
```

```
h2 {

text-align: center;

}
```

```
input {

width: 90%;

padding: 10px;

margin: 10px 0;

border: 1px solid #ddd;

border-radius: 4px;

}
```

```
button {

width: 97%;

padding: 10px;

background-color: #5cb85c;
```

```
    color: white;

    border: none;

    border-radius: 4px;

    cursor: pointer;
}

button:hover {
    background-color: #4cae4c;
}

.message {

    text-align: center;

    margin-top: 15px;
}
```

## CREATE\_ACCOUNT PAGE:

```
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Create Account</title>

    <style>

        body {

            font-family: 'Arial', sans-serif;

            margin: 0;

            padding: 0;

            background: linear-gradient(135deg, #74ebd5, #acb6e5);

            display: flex;

            justify-content: center;

            align-items: center;

            height: 100vh;

            color: #333;
```

```
}
```

```
/* Container styling */
```

```
.container {
```

```
    background: white;
```

```
    padding: 30px 20px;
```

```
    border-radius: 12px;
```

```
    box-shadow: 0 8px 20px rgba(0, 0, 0, 0.1);
```

```
    width: 400px;
```

```
    max-width: 100%;
```

```
    text-align: center;
```

```
}
```

```
/* Headings */
```

```
h1 {
```

```
    font-size: 28px;
```

```
    color: #4b79a1;
```

```
    margin-bottom: 10px;
```

```
}
```

```
h2 {
```

```
    font-size: 22px;
```

```
    color: #6c757d;
```

```
    margin-bottom: 20px;
```

```
}
```

```
/* Input fields */
```

```
input[type="text"],
```

```
input[type="email"],
```

```
input[type="password"] {
```

```
    width: 90%;
```

```
    padding: 12px 15px;
```

```
    margin: 10px 0;
```

```
    border: 1px solid #ced4da;
```

```
    border-radius: 8px;
```

```
    font-size: 14px;
```

```

    box-shadow: inset 0 2px 4px rgba(0, 0, 0, 0.1);

    outline: none;
}

input:focus {

    border-color: #74ebd5;

    box-shadow: 0 0 5px #74ebd5;
}

/* Submit button */
button {

    width: 100%;

    padding: 12px 15px;

    background: linear-gradient(135deg, #74ebd5, #4b79a1);

    color: white;

    border: none;

    border-radius: 8px;

    font-size: 16px;

    font-weight: bold;

    cursor: pointer;

    transition: background 0.3s ease;
}

button:hover {

    background: linear-gradient(135deg, #4b79a1, #74ebd5);
}

/* Link styling */
.message {

    margin-top: 15px;

    font-size: 14px;

    color: #555;
}

.message a {

    color: #4b79a1;

```



```
    text-decoration: none;

    font-weight: bold;
}

.message a:hover {

    text-decoration: underline;
}

</style>

</head>

<body>

<div class="container">

    <form id="createAccountForm">

        <h1>Happy Stays</h1>

        <div class="create-account-container">

            <h2>Create Account</h2>

            <input type="text" id="newUsername" placeholder="Username" required>

            <input type="email" id="email" placeholder="Email" required>

            <input type="password" id="newPassword" placeholder="Password" required>

            <button type="submit">Sign Up</button>

            <p class="message">

                Already have an account? <a href="login.html">Login</a>

            </p>

        </div>

    </form>

</div>

<script>

document.getElementById('createAccountForm').addEventListener('submit', function(event) {

    event.preventDefault();

    const username = document.getElementById('newUsername').value;

    const email = document.getElementById('email').value;

    const password = document.getElementById('newPassword').value;

    // Simulated account creation logic

    if (username && email && password) {
```

```
        alert('Account created successfully!');

        window.location.href = 'login.html';

    } else {

        alert('Please fill out all fields.');
```

}

```
});

</script>

</body>

</html>
```

## WELCOME PAGE(HTML):

```
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Welcome to Gems and Grace Website</title>

    <link rel="stylesheet" href="welcomesty.css">

</head>

<body>

    <div class="container">

        <h1>Happy stays! </h1>

        <h2>Welcome to Our Gems and Grace Website</h2>

        <p>Find your perfect home with us. Browse listings, connect with landlords, and secure your next rental!</p>

        <div class="button-container">

            <a href="home.html" class="btn">Start</a>

        </div>

    </div>

</body>

</html>
```

## WELCOME PAGE(CSS):

```
body {
```

```
    font-family: Arial, sans-serif;
```

```
    background-color: #f0f8ff;
```

```
    display: flex;
```

```
    justify-content: center;
```

```
    align-items: center;
```

```
    height: 100vh;
```

```
    margin: 0;
```

```
}
```

```
body {
```

```
    background-image: url('https://th.bing.com/th/id/OIP.PlzmB-Yxx1m0h9_2drKt_wHaEv?rs=1&pid=ImgDetMain');
```

```
    background-repeat: no-repeat;
```

```
    background-attachment: fixed;
```

```
    background-size: 100% 100%;
```

```
}
```

```
.container {
```

```
    text-align: center;
```

```
    background: white;
```

```
    padding: 40px;
```

```
    border-radius: 10px;
```

```
    box-shadow: 0 4px 20px rgba(0, 0, 0, 0.1);
```

```
    width: 90%;
```

```
    max-width: 600px;
```

```
}
```

```
h1 {
```

```
    font-size: 2.5em;
```

```
    color: #333;
```

```
}
```

```
p {
```

```
  font-size: 1.2em;
```

```
  color: #6666;
```

```
  margin: 20px 0;
```

```
}
```

```
.button-container {
```

```
  display: flex;
```

```
  justify-content: center;
```

```
  gap: 20px;
```

```
}
```

```
.btn {
```

```
  background-color: #28a745;
```

```
  color: white;
```

```
  padding: 15px 25px;
```

```
  border-radius: 5px;
```

```
  text-decoration: none;
```

```
  font-size: 1em;
```

```
  transition: background-color 0.3s;
```

```
}
```

```
.btn:hover {
```

```
  background-color: #218838;
```

```
}
```

# HOME PAGE(HTML):

```
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <link rel="stylesheet" href="stylehome.css">

    <title>Homepage</title>

</head>

<body>

    <header>

        <h1>GEMS AND GRACE</h1>

        <h2>Happy Stays</h2>

        <nav>

            <ul>

                <li><a href="about.html">About</a></li>

                <li><a href="contact.html">Contact us</a></li>

            </ul>

        </nav>

    </header>

    <main></main>

    <section class="buttons">

        <a href="buy.html" class="action-button">Buy</a>

        <a href="rent.html" class="action-button">Rent</a>

        <a href="sell.html" class="action-button">Sell</a>

    </section>

</main>

</body>

</html>
```

## HOME PAGE(CSS):

```
body {  
  
    font-family: Arial, sans-serif;  
  
    margin: 0;  
  
    padding: 0;  
  
    background-color: #f0f0f0;  
  
    background-image: url("https://thumbs.dreamstime.com/b/logo-template-real-estate-apartment-condo-house-rental-business-brand-branding-logotype-company-corporate-identity-clean-modern-171478027.jpg");  
  
    opacity: 2.0;  
  
}  
  
header {  
  
    background-color: #bdef18;  
  
    color: rgb(25, 22, 22);  
  
    text-align: center;  
  
    padding: 1rem 0;  
  
}  
  
main {  
  
    display: flex;  
  
    justify-content: center;  
  
    align-items: center;  
  
    margin: 20px;  
  
}  
  
.buttons {  
  
    display: flex;  
  
    align-items: center;  
  
    justify-content: center;
```

```
gap: 35px;

}

.action-button {

background-color: #bc2a38;

color: white;

text-decoration: none;

align-items: center;

padding: 15px 25px;

justify-content: center;

border-radius: 5px;

transition: background-color 0.3s;

}
```

```
.action-button:hover {

background-color: #4baedb;

align-items: center;

}
```

## ABOUT PAGE(HTML):

```
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>About Us - House Rental App</title>

<link rel="stylesheet" href="aboutsty.css">

</head>

<body>
```

<header>

<h1>About Our Gems and Grace Website</h1>

</header>

<main>

<section class="about">

<h2>Who We Are</h2>

<p>We are a dedicated team passionate about connecting people with their ideal homes. Our platform simplifies the rental process, making it accessible for everyone.</p>

</section>

<section class="mission">

<h2>Our Mission</h2>

<p>To provide an easy-to-use platform for renters and landlords, ensuring a seamless and transparent rental experience.</p>

</section>

<section class="features">

<h2>Features</h2>

<ul>

<li>User-friendly interface</li>

<li>Advanced search filters</li>

<li>Secure transactions</li>

<li>24/7 customer support</li>

</ul>

</section>

</main>

<footer>

<p>&copy; 2024 Gems and Grace Website All rights reserved.</p>

</footer>

</body>

</html>



## ABOUT PAGE(CSS):

```
* {  
  
    box-sizing: border-box;  
  
    margin: 0;  
  
    padding: 0;  
  
}  
  
body {  
  
    font-family: Arial, sans-serif;  
  
    line-height: 1.6;  
  
    background-color: #f4f4f4;  
  
    color: #333;  
  
}  
  
header {  
  
    background: #810ac1;  
  
    color: white;  
  
    padding: 20px 0;  
  
    text-align: center;  
  
}  
  
main {  
  
    max-width: 800px;  
  
    margin: 20px auto;  
  
    padding: 20px;  
  
    background: white;  
  
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);  
  
}
```

```
h2 {

    margin-top: 20px;

    color: #0d0315;

}


.about, .mission, .features, .contact {

    margin-bottom: 20px;

}


ul {

    list-style-type: disc;

    margin-left: 20px;

}


footer {

    text-align: center;

    padding: 10px 0;

    background: #9108e1;

    color: white;

    position: relative;

    bottom: 0;

    width: 100%;

}
```

## CONTACT PAGE(HTML):

```
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
<title>Contact Us</title>

<link rel="stylesheet" href="contactsty.css">

</head>

<body>

  <div class="container">

    <h1>Contact Us</h1>

    <form id="contactForm" onsubmit="return handleSubmit(event)">

      <div class="form-group">

        <label for="name">Name:</label>

        <input type="text" id="name" name="name" required>

      </div>

      <div class="form-group">

        <label for="email">Email:</label>

        <input type="email" id="email" name="email" required>

      </div>

      <div class="form-group">

        <label for="message">Message:</label>

        <textarea id="message" name="message" required></textarea>

      </div>

      <button type="submit">Send Message</button>

    </form>

  </div>

  <script>

    function handleSubmit(event) {

      event.preventDefault(); // Prevent form submission

      alert('Thank you for your message! We will get back to you soon.');

      document.getElementById('contactForm').reset(); // Clear the form

    }

  </script>

</body>
```

```
</html>
```

## CONTACT PAGE(CSS):

```
body {
```

```
    font-family: Arial, sans-serif;
```

```
    background-color: #f4f4f4;
```

```
    margin: 0;
```

```
    padding: 0;
```

```
}
```

```
.container {
```

```
    max-width: 600px;
```

```
    margin: 50px auto;
```

```
    padding: 20px;
```

```
    background: white;
```

```
    border-radius: 8px;
```

```
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
```

```
}
```

```
h1 {
```

```
    text-align: center;
```

```
    color: #333;
```

```
}
```

```
.form-group {
```

```
    margin-bottom: 15px;
```

```
}
```

```
label {
```

```
    display: block;
```

```
margin-bottom: 5px;

color: #555;

}
```

```
input[type="text"],

input[type="email"],

textarea {

    width: 100%;

    padding: 10px;

    border: 1px solid #ccc;

    border-radius: 4px;

    box-sizing: border-box;

}
```

```
textarea {

    resize: vertical;

    min-height: 100px;

}
```

```
button {

    background-color: #5cb85c;

    color: white;

    padding: 10px 15px;

    border: none;

    border-radius: 4px;

    cursor: pointer;

    width: 100%;

}
```

```
button:hover {
```

```
background-color: #4cae4c;
```

```
}
```

## BUY PAGE:

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<meta charset="UTF-8">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
<title>Buy a House</title>
```

```
<style>
```

```
body {
```

```
background-color: #f9f9f9; /* Light background color */
```

```
font-family: Arial, sans-serif; /* Set a clean, readable font */
```

```
color: #333; /* Text color */
```

```
}
```

```
header {
```

```
text-align: center; /* Center the header text */
```

```
margin-bottom: 20px; /* Add margin below the header */
```

```
}
```

```
.filters {
```

```
margin: 20px;
```

```
padding: 20px;
```

```
background-color: #f2f2f2; /* Light gray background for filter section */
```

```
border-radius: 8px;
```

```
}
```

```
.property {  
  
    display: block;  
  
    margin-bottom: 30px; /* Added spacing between listings */  
  
    padding: 10px;  
  
    border: 1px solid #ddd;  
  
    border-radius: 8px;  
  
    box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);  
  
}
```

```
.property.hidden {  
  
    display: none;  
  
}
```

```
.property-image {  
  
    width: 100%;  
  
    height: 200px;  
  
    background-size: cover;  
  
    background-position: center;  
  
    border-radius: 8px;  
  
}
```

```
.property-details {  
  
    padding: 10px;  
  
}
```

```
.property-details h2 {  
  
    margin: 10px 0;  
  
}
```

```
.property-details p {
```

```
margin: 10px 10;

}
```

```
#no-results {

    display: none;

    text-align: center;

    font-size: 18px;

    color: red;

}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<header>
```

```
<h1>Find Your Dream Home</h1>
```

```
</header>
```

```
<!-- Filter Section -->
```

```
<section class="filters">
```

```
<h2>Filter Properties</h2>
```

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

```
<label for="location">Location:</label>
```

```
<select id="location" name="location">
```

```
<option value="all">All Locations</option>
```

```
<option value="kompally">Kompally</option>
```

```
<option value="kukatpally">Kukatpally</option>
```

```
<option value="hyderabad">Hyderabad</option>
```

```
<option value="banjara-hills">Banjara Hills</option>
```

```
<option value="gachibowli">Gachibowli</option>
```

```
</select>
```



<label for="price-range">Price Range:</label>

<select id="price-range" name="price-range">

<option value="all">All Prices</option>

<option value="2-3">2 - 3 Crores</option>

<option value="3-4">3 - 4 Crores</option>

<option value="4+">Above 4 Crores</option>

</select>

<label for="property-type">Property Type:</label>

<select id="property-type" name="property-type">

<option value="all">Any Type</option>

<option value="family">Family Home</option>

<option value="apartment">Apartment</option>

<option value="villa">Villa</option>

</select>

<button type="submit">Apply Filters</button>

</form>

</section>

<main>

<!-- Property Listings -->

<!-- Property Listing 1 -->

<section class="property" data-location="kompally" data-price="2" data-type="family">

<div class="property-image" style="background-image: url('https://i.pinimg.com/originals/63/d8/7f/63d87f3f4a745c020b3e6552e0009067.jpg');"></div>

<div class="property-details">

<h2>Beautiful Family Home</h2>

<p>Location: Kompally, Hyderabad</p>

<p>Price: 2 Crores</p>

<p>Contact: 954295875</p>

<p>Owner Name: Naresh</p>

</div>

</section>

<!-- Property Listing 2 -->

<section class="property" data-location="kukatpally" data-price="2.5" data-type="family">

<div class="property-image" style="background-image: url('https://assets.architecturaldigest.in/photos/61de9b8d0f339dca4bd2963f/16:9/w\_2560%2Cc\_limit/Manipal%2520home.jpg');"></div>

<div class="property-details">

<h2>Family Home</h2>

<p>Location: Kukatpally, Hyderabad</p>

<p>Price: 2.5 Crores</p>

<p>Contact: 954295875</p>

<p>Owner Name: Srinivas</p>

</div>

</section>

<!-- Property Listing 3 -->

<section class="property" data-location="banjara-hills" data-price="3.5" data-type="villa">

<div class="property-image" style="background-image: url('images/house1.jpg');"></div>

<div class="property-details">

<h2>Luxury Villa</h2>

<p>Location: Banjara Hills, Hyderabad</p>

<p>Price: 3.5 Crores</p>

<p>Contact: 9123456789</p>

<p>Owner Name: Ramesh</p>

</div>

</section>

<!-- Property Listing 4 -->

<section class="property" data-location="gachibowli" data-price="4" data-type="apartment">

<div class="property-image" style="background-image: url('https://i.ibb.co/SK5pRr7/EMERALD-APARTMENT.jpg');"></div>

<div class="property-details">

<h2>Modern Apartment</h2>

<p>Location: Gachibowli, Hyderabad</p>

<p>Price: 4 Crores</p>

<p>Contact: 9445678901</p>

<p>Owner Name: Priya</p>

</div>

</section>

<!-- Property Listing 5 -->

<section class="property" data-location="hyderabad" data-price="5" data-type="villa">

<div class="property-image" style="background-image: url('https://i.ibb.co/2FYLWYw/Incredible-Melbourne-Australia-Home-Dream-Estate-with-Pool-January-2024.jpg');"></div>

<div class="property-details">

<h2>Spacious Luxury Villa</h2>

<p>Location: Hyderabad</p>

<p>Price: 5 Crores</p>

<p>Contact: 9845123456</p>

<p>Owner Name: Kumar</p>

</div>

</section>

<!-- Property Listing 6 -->

```
<section class="property" data-location="kukatpally" data-price="2.2" data-type="family">
```

```
<div class="property-image" style="background-image: url('https://i.ibb.co/BGdG6hv/Mr-Arun-Vadanappilly.jpg');"></div>
```

```
<div class="property-details">
```

```
<h2>Comfortable Family Home</h2>
```

```
<p>Location: Kukatpally, Hyderabad</p>
```

```
<p>Price: 2.2 Crores</p>
```

```
<p>Contact: 9574231122</p>
```

```
<p>Owner Name: Lakshmi</p>
```

```
</div>
```

```
</section>
```

```
</main>
```

```
<!-- No Results Message Section -->
```

```
<section id="no-results" style="display: none; text-align: center; font-size: 18px; color: red;">
```

```
<p>No properties match your selected filters.</p>
```

```
</section>
```

```
<script>
```

```
const filterForm = document.getElementById('filter-form');
```

```
const properties = document.querySelectorAll('.property');
```

```
const noResultsMessage = document.getElementById('no-results');
```

```
filterForm.addEventListener('submit', (e) => {
```

```
  e.preventDefault();
```

```
  const selectedLocation = document.getElementById('location').value;
```

```
  const selectedPrice = document.getElementById('price-range').value;
```

```
  const selectedType = document.getElementById('property-type').value;
```

```
  let visibleProperties = 0;
```

```

properties.forEach(property => {

    const location = property.getAttribute('data-location');

    const price = parseFloat(property.getAttribute('data-price'));

    const type = property.getAttribute('data-type');


    const matchesLocation = selectedLocation === 'all' || selectedLocation === location;

    const matchesPrice = selectedPrice === 'all' ||

        (selectedPrice === '2-3' && price >= 2 && price <= 3) ||

        (selectedPrice === '3-4' && price > 3 && price <= 4) ||

        (selectedPrice === '4+' && price > 4);

    const matchesType = selectedType === 'all' || selectedType === type;


    if (matchesLocation && matchesPrice && matchesType) {

        property.classList.remove('hidden');

        visibleProperties++;

    } else {

        property.classList.add('hidden');

    }

});


if (visibleProperties === 0) {

    noResultsMessage.style.display = 'block';

} else {

    noResultsMessage.style.display = 'none';

}

});

</script>

</body>

</html>

```

# RENT PAGE:

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<meta charset="UTF-8">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
<title>Rent Houses</title>
```

```
<style>
```

```
body {
```

```
    background-color: #f9f9f9; /* Light background color */
```

```
    font-family: Arial, sans-serif; /* Set a clean, readable font */
```

```
    color: #333; /* Text color */
```

```
}
```

```
header {
```

```
    text-align: center; /* Center the header text */
```

```
    margin-bottom: 20px; /* Add margin below the header */
```

```
}
```

```
.filters {
```

```
    margin: 20px;
```

```
    padding: 20px;
```

```
    background-color: #f2f2f2; /* Light gray background for filter section */
```

```
    border-radius: 8px;
```

```
}
```

```
.property {
```

```
    display: block;
```

```
margin-bottom: 30px; /* Added spacing between listings */

padding: 10px;

border: 1px solid #ddd;

border-radius: 8px;

box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);

}
```

```
.property.hidden {

    display: none;

}
```

```
.property-image {

    width: 100%;

    height: 300px;

    background-size: cover;

    background-position: center;

    border-radius: 8px;

}
```

```
.property-details {

    padding: 10px;

}
```

```
.property-details h2 {

    margin: 10px 0;

}
```

```
.property-details p {

    margin: 5px 0;

}
```

```
#no-results {
```

```
    display: none;
```

```
    text-align: center;
```

```
    font-size: 18px;
```

```
    color: red;
```

```
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
    <header>
```

```
        <h1>Find Your Rental Home</h1>
```

```
    </header>
```

```
    <!-- Filter Section -->
```

```
    <section class="filters">
```

```
        <h2>Filter Rental Properties</h2>
```

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

```
            <label for="location">Location:</label>
```

```
            <select id="location" name="location">
```

```
                <option value="all">All Locations</option>
```

```
                <option value="uppal">Uppal</option>
```

```
                <option value="dilsukhnagar">Dilsukhnagar</option>
```

```
                <option value="hyderabad">Hyderabad</option>
```

```
                <option value="gachibowli">Gachibowli</option>
```

```
            </select>
```

```
            <label for="rent-range">Rent Range:</label>
```

```
            <select id="rent-range" name="rent-range">
```

```
                <option value="all">All Rents</option>
```



<option value="10000-15000">10,000 - 15,000/month</option>

<option value="15000-20000">15,000 - 20,000/month</option>

<option value="20000+">Above 20,000/month</option>

</select>

<label for="property-type">Property Type:</label>

<select id="property-type" name="property-type">

<option value="all">Any Type</option>

<option value="house">House</option>

<option value="townhouse">Townhouse</option>

<option value="apartment">Apartment</option>

</select>

<button type="submit">Apply Filters</button>

</form>

</section>

<main>

<!-- Property Listings -->

<!-- Property Listing 1 -->

<section class="property" data-location="uppal" data-rent="10200" data-type="house">

<div class="property-image" style="background-image: url('https://i.ytimg.com/vi/xl8SXW-Sfvc/maxresdefault.jpg');"></div>

<div class="property-details">

<h2>House</h2>

<p>Location: Uppal, Hyderabad</p>

<p>Rent: 10,200/month</p>

<p>Contact: 9392534878</p>

<p>Owner Name: Ramu</p>

</div>

</section>

<!-- Property Listing 2 -->

<section class="property" data-location="dilsukhnagar" data-rent="15000" data-type="townhouse">

<div class="property-image" style="background-image: url('https://i0.wp.com/www10.aeccafe.com/blogs/arch-showcase/files/2014/04/C-6.jpg');"></div>

<div class="property-details">

<h2>Townhouse</h2>

<p>Location: Dilsukhnagar, Hyderabad</p>

<p>Rent: 15,000/month</p>

<p>Contact: 9392534878</p>

<p>Owner Name: Venkatesh</p>

</div>

</section>

<!-- Property Listing 3 -->

<section class="property" data-location="gachibowli" data-rent="18000" data-type="apartment">

<div class="property-image" style="background-image: url('https://i.ibb.co/2PTgrgL/Apartment-Architecture-History-Sustainability-Materials-And-Typical-Prices.jpg');"></div>

<div class="property-details">

<h2>Luxury Apartment</h2>

<p>Location: Gachibowli, Hyderabad</p>

<p>Rent: 18,000/month</p>

<p>Contact: 9445678901</p>

<p>Owner Name: Suresh</p>

</div>

</section>

<!-- Property Listing 4 -->

<section class="property" data-location="hyderabad" data-rent="22000" data-type="townhouse">

<div class="property-image" style="background-image: url('https://i.ibb.co/GdmzSrp/NEW-4-BR-House-in-Town-and-Country-San-

Fernando.jpg');"></div>

<div class="property-details">

<h2>Spacious Townhouse</h2>

<p>Location: Hyderabad</p>

<p>Rent: 22,000/month</p>

<p>Contact: 9123456789</p>

<p>Owner Name: Kiran</p>

</div>

</section>

<!-- Property Listing 5 -->

<section class="property" data-location="uppal" data-rent="12000" data-type="house">

<div class="property-image" style="background-image: url(' https://i.ibb.co/pXQKRtC/download-2.jpg');"></div>

<div class="property-details">

<h2>Comfortable House</h2>

<p>Location: Uppal, Hyderabad</p>

<p>Rent: 12,000/month</p>

<p>Contact: 9591234567</p>

<p>Owner Name: Meena</p>

</div>

</section>

</main>

<!-- No Results Message Section -->

<section id="no-results" style="display: none; text-align: center; font-size: 18px; color: red;">

<p>No properties match your selected filters.</p>

</section>

<script>

const filterForm = document.getElementById('filter-form');

```
const properties = document.querySelectorAll('.property');

const noResultsMessage = document.getElementById('no-results');

filterForm.addEventListener('submit', (e) => {

    e.preventDefault();

    const selectedLocation = document.getElementById('location').value;

    const selectedRent = document.getElementById('rent-range').value;

    const selectedType = document.getElementById('property-type').value;

    let visibleProperties = 0;

    properties.forEach(property => {

        const location = property.getAttribute('data-location');

        const rent = parseInt(property.getAttribute('data-rent'));

        const type = property.getAttribute('data-type');

        const matchesLocation = selectedLocation === 'all' || selectedLocation === location;

        const matchesRent = selectedRent === 'all' ||

            (selectedRent === '10000-15000' && rent >= 10000 && rent <= 15000) ||

            (selectedRent === '15000-20000' && rent > 15000 && rent <= 20000) ||

            (selectedRent === '20000+' && rent > 20000);

        const matchesType = selectedType === 'all' || selectedType === type;

        if (matchesLocation && matchesRent && matchesType) {

            property.classList.remove('hidden');

            visibleProperties++;

        } else {

            property.classList.add('hidden');

        }

    })

})
```

```
});

if (visibleProperties === 0) {

    noResultsMessage.style.display = 'block';

} else {

    noResultsMessage.style.display = 'none';

}

});

</script>

</body>

</html>
```

## SELL PAGE(HTML):

```
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Sell Your House</title>

    <link rel="stylesheet" href="sell.css">

</head>

<body>

    <div class="container">

        <h1>Sell Your House</h1>

        <form action="#" method="post" enctype="multipart/form-data">

            <label for="picture">Upload Picture:</label>

            <input type="file" id="picture" name="picture" accept="image/*" required>

            <label for="location">Location:</label>

            <input type="text" id="location" name="location" placeholder="Enter the location" required>
```

```
<label for="price">Price(₹):</label>
```

```
<input type="number" id="price" name="price" placeholder="Enter the price" required>
```

```
<label for="contact">contact :</label>
```

```
<input type="number" id="number" name="number" placeholder="Enter the number" required>
```

```
<label for="Name">Name:</label>
```

```
<input type="text" id="Name" name="Name" placeholder="Enter your Name" required>
```

```
<button type="submit">Submit</button>
```

```
</form>
```

```
</div>
```

```
<script>
```

```
document.querySelector('form').addEventListener('submit', function(event) {
```

```
    event.preventDefault(); // Prevent the default form submission
```

```
    const container = document.querySelector('.container');
```

```
    container.innerHTML = '<h1>Thank you for submitting your details!</h1>';
```

```
});
```

```
</script>
```

```
</body>
```

```
</html>
```

## SELL PAGE(CSS):

```
body {
```

```
    font-family: Arial, sans-serif;
```

```
    background-color: #f4f4f4;
```

```
    margin: 0;
```

```
    padding: 20px;
```

```
}
```

```
.container {
```

```
    max-width: 600px;
```

```
    margin: auto;
```

```
    background: #fff;
```

```
    padding: 20px;
```

```
    border-radius: 8px;
```

```
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
```

```
}
```

```
h1 {
```

```
    text-align: center;
```

```
}
```

```
form {
```

```
    display: flex;
```

```
    flex-direction: column;
```

```
}
```

```
label {
```

```
    margin: 10px 0 5px;
```

```
}
```

```
input[type="file"],
```

```
input[type="text"],
```

```
input[type="number"] {
```

```
    padding: 10px;
```

```
    border: 1px solid #ccc;
```

```
    border-radius: 5px;
```

```
}
```

```
button {
```

```
    padding: 10px;
```

```
    background-color: #28a745;
```

```
    color: white;
```

```
    border: none;
```

```
    border-radius: 5px;
```

```
    cursor: pointer;
```

```
    margin-top: 10px;
```

```
}
```

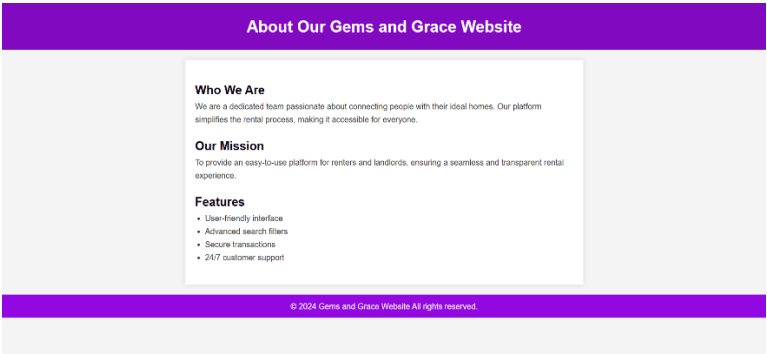
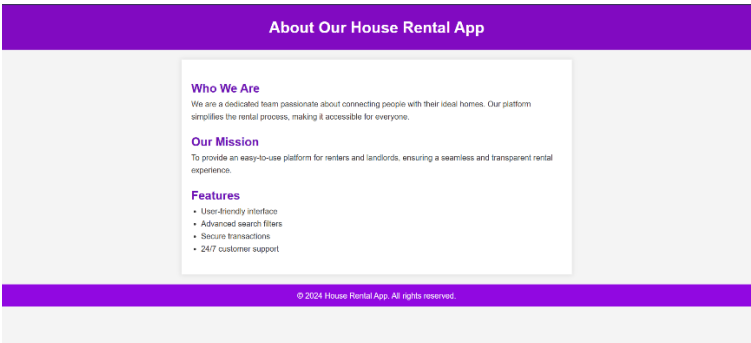
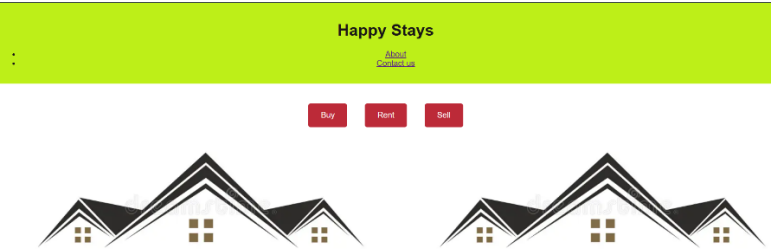
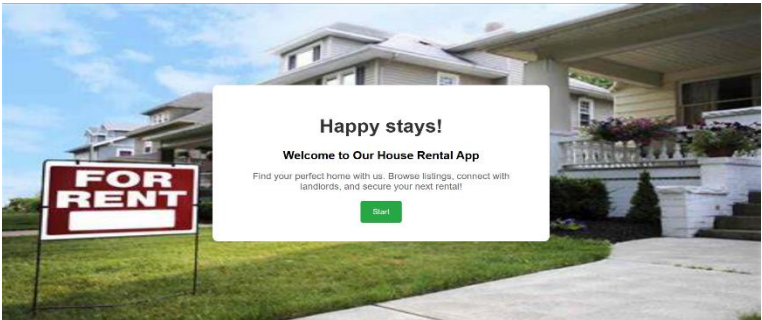
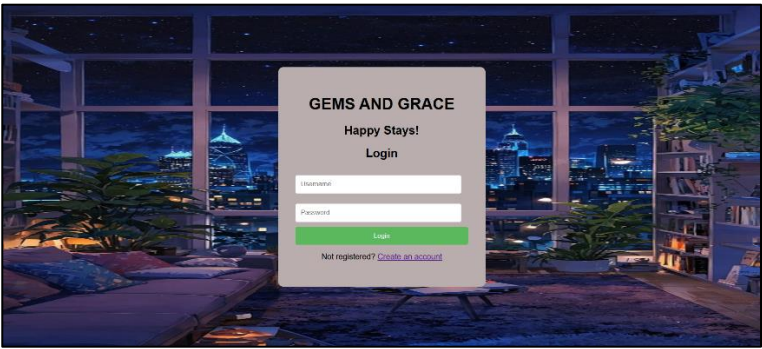
```
button:hover {
```

```
    background-color: #218838;
```

```
}
```




DESIGN:



Find Your Dream Home

Filter Properties

Location: All Locations | Price Range: All Prices | Property Type: Any Type | Apply Filters



Beautiful Family Home

Location: Kompally, Hyderabad

Price: 2 Crores


Contact: 964295875

Owner Name: Naresh

Find Your Rental Home

Filter Rental Properties

Location: All Locations | Rent Range: All Rents | Property Type: Any Type | Apply Filters



House

Location: Uppal, Hyderabad

Rent: 10,200/month

Contact: 9392534878

Owner Name: Ramu

Contact Us

Name:

Email:

Message:

Send Message

## CONCLUSION:

*Gems and Grace* is designed to revolutionize the way users rent, buy, and sell properties by offering a feature-rich, user-friendly platform. By integrating advanced filters, secure communication tools, virtual tours, and seamless transaction systems, the website addresses the shortcomings of existing property platforms.

With a robust backend for reliability, an engaging frontend for usability, and cloud infrastructure for scalability, *Gems and Grace* ensures an efficient, transparent, and enjoyable property search experience. This platform bridges the gap between property seekers and owners, making the journey to finding or selling a home simpler, faster, and more trustworthy.