**Nonfunctional requirement**

**1. Performance:**

**Response Time:** The website should load within 3 seconds to ensure a seamless user experience.

**Scalability:** The system should handle an increasing number of users during peak times, such as registration periods, without significant degradation in performance.

**2. Reliability:**

**Availability:** The website should be available, allowing students to access information or make bookings.

**3. Security:**

**Data Encryption:** All sensitive data, including personal information and payment details, should be encrypted to protect against unauthorized access.

**User Authentication:** A secure authentication mechanism should be in place to ensure that only authorized users can access certain features or data.

**4. Usability:**

**User Interface (UI) Design:** The website should have an intuitive and user-friendly interface to facilitate easy navigation for both novice and experienced users.

**5. Scalability**

**User Growth:** The website should easily handle an increasing number of users and housing listings as the student population grows.

**6. Compatibility:**

**Browser Compatibility:** The website should be compatible with major web browsers (Chrome, Firefox, Safari, etc.) to ensure a consistent experience for all users.

**Device Compatibility:** The website should be responsive and functional across various devices, including laptops, tablets, and smartphones.

**7.** **Interoperability**:

**Integration with External Systems:** If applicable, the website should be able to integrate with external systems or services, such as university databases or payment gateways.