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# **Software Requirements Specification**

**for**

## **Relax-In**

**UQU Interview project**

**Version 1.0 approved**

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## Revision History

Name	Date	Reason For Changes	Version

**\*Note: because there is no much enough time, so will not dive into more details\***

# 1. Introduction

## 1.1 Purpose

*Create a project to manage and control the resort rent process.*

يستعرض هذا المستند تحليل لمتطلبات انشاء مشروع للتحكم وادارة عملية تأجير الاستراحات والجلسات وادارة عمليات الصيانة للعقار.

## 1.2 Document Conventions

*This document contains the details of the system, the workflow mechanism of this system, the most important features and the main functions on which the system of adding the property and presenting it to the customer is based, the leasing process, a record of reports, the control panel, information for the property owner, and the responsibilities of the processing team and cleaning companies.*

تحتوي هذه الوثيقة على تفاصيل النظام وآلية سير العمل لهذا النظام وأهم الميزات والوظائف الرئيسية التي يعتمد عليها نظام إضافة العقار وعرضه على العميل ، وعملية التأجير ، وسجل التقارير ، لوحة التحكم والمعلومات الخاصة بمالك العقار ومسؤوليات فريق المعالجة وشركات التنظيف.

## 1.3 Intended Audience and Reading Suggestions

*After analyzing the client's requirements, this document is forwarded to the design department to write the design document and add needed diagrams and the system sequence to then be directed to the development team. This document is give the most important details and information required for the implementation of the system design and presentation the usecase of this system.*

بعد تحليل متطلبات العميل ، يتم إرسال هذا المستند إلى قسم التصميم لكتابة مستند التصميم وإضافة الرسوم التوضيحية وتسلسل النظام ليتم توجيهه بعد ذلك إلى فريق التطوير. تحتوي هذه الوثيقة على أهم التفاصيل والمعلومات المطلوبة لتنفيذ تصميم النظام وعرضه.

## 1.4 Product Scope

*This project is based on a link between owner of property with customer and company that provide service and maintenance, where the owner fills in the required details in the system and determines the specifications and prices according to the seasons of the property. and maintenance company will provide the service for the property. On the other hand, the customer can, through his own page, search for the property that suits him by entering some criteria, browsing the property, displaying its specifications, and following up on the reservation processes for the property. The company's goals, vision and business strategies will be added when available.*

يقوم هذا المشروع على ربط بين صاحب العقار والمستفيد وشركات الخدمات والصيانة حيث يقوم مالك العقار بإضافة العقار وتعبأ التفاصيل المطلوبة في النظام وتحديد المواصفات والاسعار حسب المواسم للعقار ويتم عرض كافة البيانات والتفاصيل لمالك العقار على صفحته الخاصة ويستطيع ان يقوم بربط العقار بشركة خدمات تقوم بالإشراف على نظافة وصيانة العقار. وفي الجانب الآخر يستطيع المستفيد او العميل ان يقوم من خلال صفحته الخاصة ان يبحث عن العقار الذي يناسبه عبر ادخاله بعض المعايير وتصفح العقار وعرض مواصفاته ومتابعة عمليات الحجز للعقار. سيتم اضافة اهداف الشركة و رؤيتها واستراتيجيات العمل عندما تتوفر.

## 1.5 References

*All list any other documents will be added when available.*

## 2. Overall Description

### 2.1 Product Perspective

*This project is a platform that includes a product that is expressed in real estate, as the product is added, managed, reserved, and organized through this platform, in this case the project is a new self-contained product. it will show a simple diagram that shows the major components of the overall system, subsystem interconnections, and external interfaces.*

هذا المشروع عبارة عن منصة تتضمن منتجاً يتم التعبير عنه في مجال العقارات ، حيث تتم إضافة المنتج وإدارته وحجزه وتنظيمه من خلال هذه المنصة ، وفي هذه الحالة يكون المشروع منتجاً جديداً قائماً بذاته. يضم المستند رسم بياني يوضح المكونات الرئيسية للنظام ككل والترابطات البينية للنظام الفرعي والواجهات الخارجية.

### 2.2 Product Functions

*The main functions in this project are divided by user type classification:*

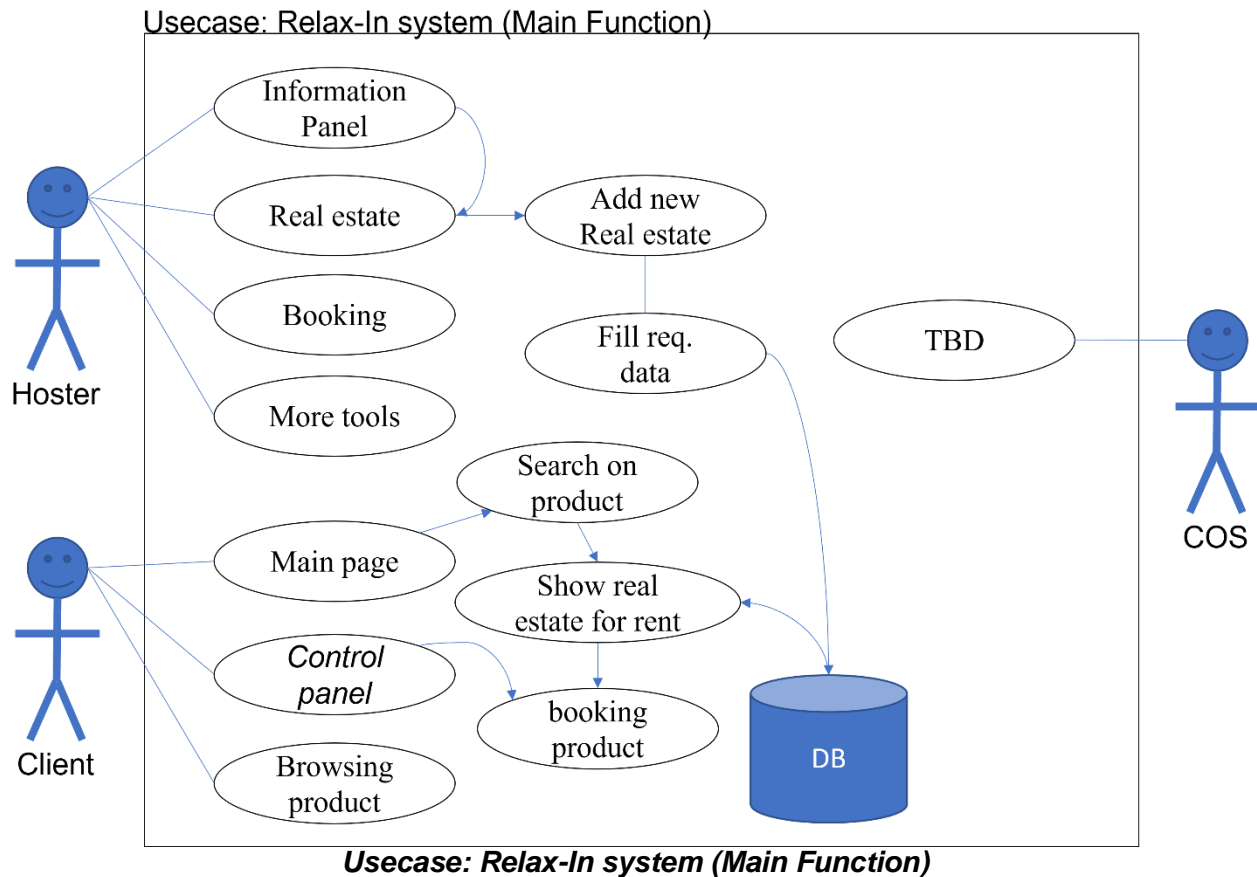
يتم تقسيم الوظائف الرئيسية في هذا المشروع حسب تصنيف نوع المستخدم:

- The owner of real estate
  - Info bar.
    - TBD
  - Information Panel.
    - Weekly report
    - Motivation points
    - Finance (new income, sells, price, accounting, deals)
    - Calendar (display booking and new customer coming)
    - Customer reviews
    - Complaints
  - Real estate.
  - Booking.
  - More tools:
    - Profile
    - Finance
    - App setting
    - Complaints
    - Conventions
    - Contact us
- The customer
  - Main page
  - Control panel
  - Browsing product
    - Find, select, view and book the product
- Company of service
  - TBD.

### 2.3 User Classes and Characteristics

*In this system there are 3 users it will listed and showing the characteristics using a usecase but can return to point 2.2 for more feature classification.*

- The owner of real estate       ==> Hoster
- The customer.               ==> client
- Company of service       ==> COS

**USECASE DIAGRAM:****2.4 Operating Environment**

The environment of the software will be a created as web app developed using Laravel framework, running on web browser in most operating system recommended in new versions.

سيتم إنشاء بيئة البرنامج كتطبيق ويب تم تطويره باستخدام إطار عمل *Laravel* ، ويعمل على متصفح الويب في معظم أنظمة التشغيل الموصى بها في الإصدارات الجديدة.

**2.5 Design and Implementation Constraints**

The items or issues that will limit the options available to develop the project:

- Available time.
- Availability of corporate or regulatory policies.
- hardware limitations (timing requirements, memory requirements).
- needing to get more info about an interfaces to other parts.
- Collect real data.
- Appropriate authentication and security methods.
- Time and place constraints.
- design conventions or programming standards (for example, if the customer's organization will be responsible for maintaining the delivered software).

## 2.6 User Documentation

TBD

## 2.7 Assumptions and Dependencies

TBD

# 3. External Interface Requirements

## 3.1 User Interfaces

*The system contains 3 types of users and contains one product classified into two parts, and each user has his own pages through which he can manage the product in the way he is allowed.*

يحتوي النظام على ٣ أنواع من المستخدمين ويحتوي على منتج واحد مصنف الى قسمين استراحات وجلسات ولكل مستخدم صفحاته الخاصة التي يتمكن من خلالها ادارة المنتج بالطريقة المسموحة له.

- *Hoster*
  - *information board*
  - *real estate page*
  - *bookings managing*
  - *financial managing*
  - *set of other pages such as the profile, general settings, contracts, agreements, and communication*
- *client: he has 5 interfaces topped with a navigation bar*
  - *main page*
  - *view product*
  - *booking view and managing*
  - *favorite*
  - *contact with seller*
- *COS*
  - *TBD*

*sample screen images: ... TBD*

## 3.2 Hardware Interfaces

*The logical and physical characteristics of each interface between the software product and the hardware components of the system is important to considered but, in this stage, will run on local server.*

## 3.3 Software Interfaces

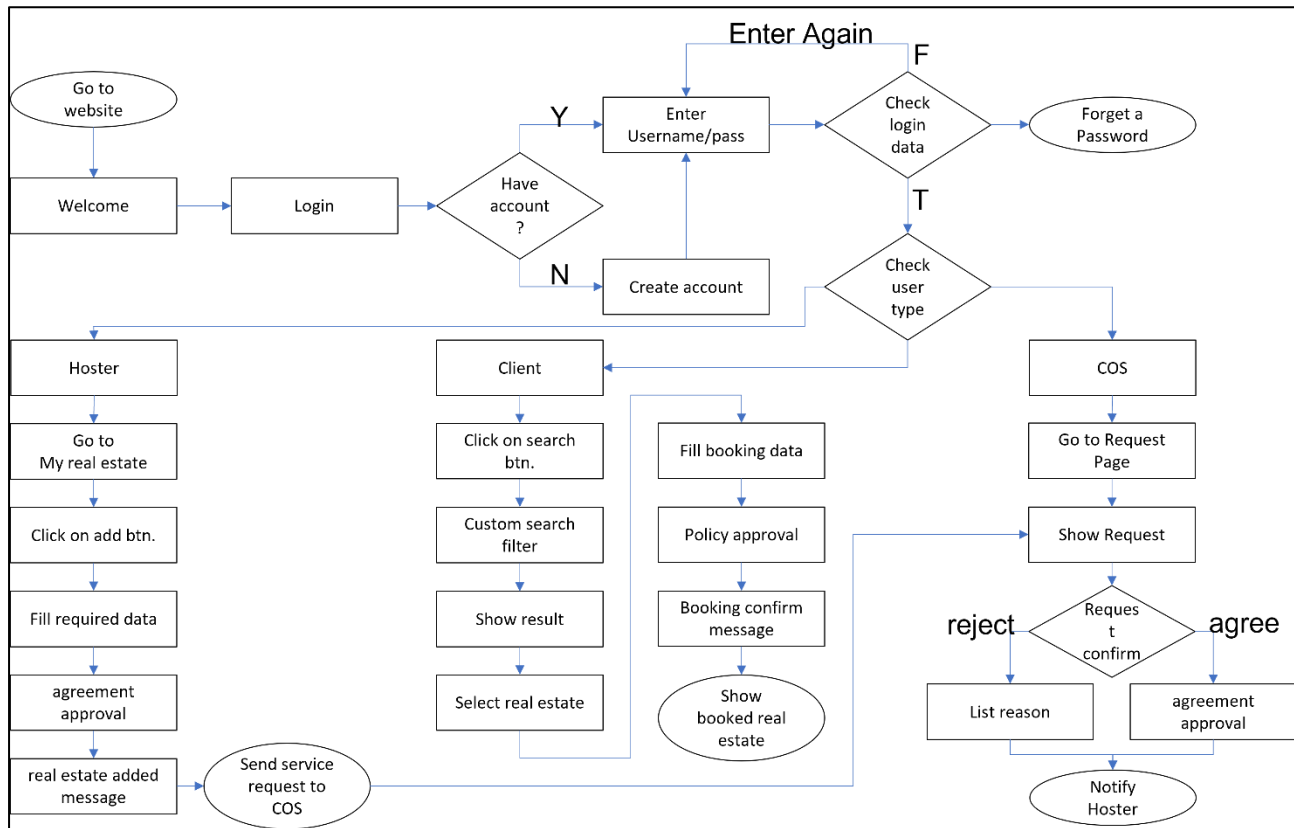
*This software product will be as web app based developed using php framework (Laravel 9 latest version) in this framework cover the most specific software components including databases, the database will used is (phpMyAdmin) the system running on most operating systems, for designing tools or libraries will use (tailwind, livewire). will Identify the data items or messages coming into the system and going out and will describe the purpose of each. Also will describe the services needed and the nature of communications. Refer to documents that describe detailed application*

programming interface protocols. Identify data that will be shared across software components. If the data sharing mechanism must be implemented in a specific way (collect real data), specify this as an implementation constraint.

### 3.4 Communications Interfaces

The requirements associated with communications functions required:

e-mail, web browser, network server communications protocols, electronic forms, phone.



## 4. System Features (Functional Requirements)

Workflow diagram for main project function

### 4.1 System Feature

Id	Name	Description	Priority	Functional Requirement	Related feature
R-1.1	Authentication	Register, login and sign-out system	9	Transfer protocol, database to store the accounts.	-
R-2.1	User-1: Hoster information panel	Main page for Hoster contains tab to add new	9	http protocol to navigation between	R-1.1

		real estate managing tools as in point 2.2		pages, link with database to store.	
R-2.2	Add real estate	Sequenced form to get the data of real estate.	9	link to Database to store the real estate data in table.	R.2-1
R-2.3	Link real estate with COS.	Find a COS that provide best match for needed services.	5	Read COS tables in DB to show in the page.	R-2.2
R-3.1	User-2: Client Main page	Home page of client contains the important feature to browse a product in system.	9	http protocol to navigation between pages, link with database to store	R-1.1
R-3.2	Booking real estate	Client can browse and select and book a product.	9	Link DB with a view to display product and collect the data of user and booking.	R-3.1
R-4.1	User-3: COS	TBD		TBD	R-1.1

## 5. Other Nonfunctional Requirements

### 5.1 Performance Requirements

*TBD*

### 5.2 Safety Requirements

*TBD*

### 5.3 Security Requirements

*TBD*

### 5.4 Software Quality Attributes

*TBD*

### 5.5 Business Rules

*TBD*

## 6. Other Requirements

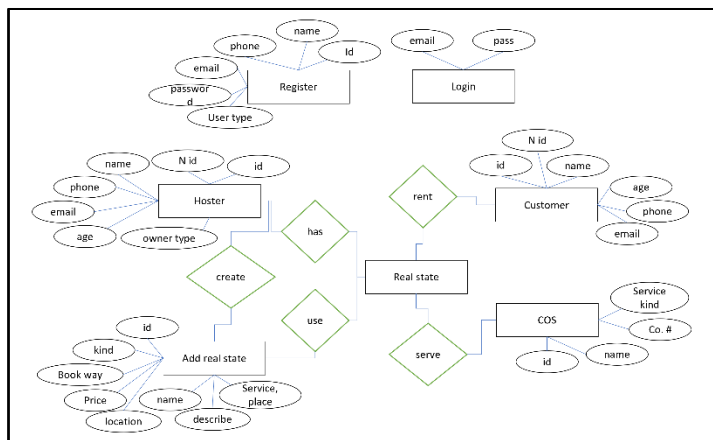
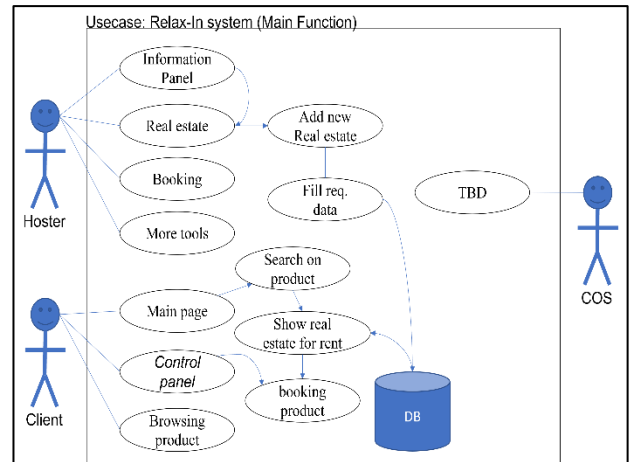
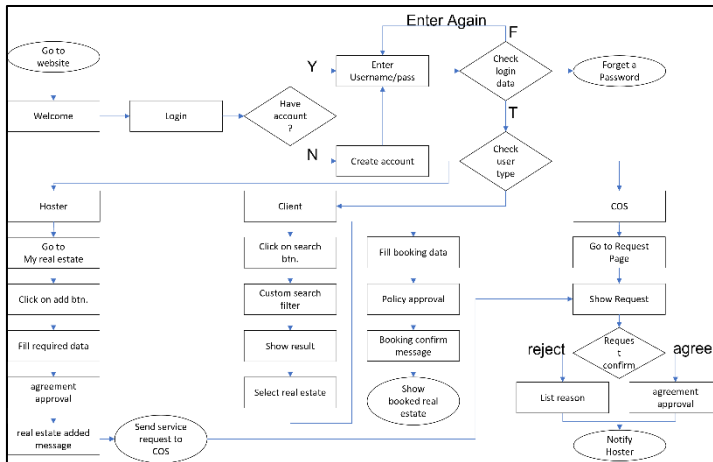
- *The booking system must be considered by hour or night.*



## Appendix A: Glossary

<Define all the terms necessary to properly interpret the SRS, including acronyms and abbreviations. You may wish to build a separate glossary that spans multiple projects or the entire organization, and just include terms specific to a single project in each SRS.>

## Appendix B: Analysis Models



## Appendix C: To Be Determined List

- Info bar
- Company of service
- User Documentation
- Assumptions and Dependencies
- sample screen images
- R-4.1
- Performance Requirements
- Safety Requirements
- Security Requirements
- Software Quality Attributes
- Business Rules
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