Lloyds Challenges

Version 1.2

Contents

[The Estate Agent Case Study 1](#_Toc170460699)

[Feature: Manage Buyer 1](#_Toc170460700)

[Feature: Manage Seller 1](#_Toc170460701)

[Feature: Manage Property 1](#_Toc170460702)

[Feature: Manage Bookings 2](#_Toc170460703)

[Minimal Viable Product 2](#_Toc170460704)

[The Dr Surgery Case Study 3](#_Toc170460705)

[Feature: As a patient I would like to register with Medical Surgery System so that I can make appointments to see a doctor and to provide medical information 3](#_Toc170460706)

[Feature: As a patient I would like to log on to the Medical Surgery System so that I can make use of the Surgery Services 3](#_Toc170460707)

[Feature: As a patient I would like to make a booking to see a doctor 3](#_Toc170460708)

[Feature: As a patient I would like to provide my blood pressure information so that my doctor can monitor my health 4](#_Toc170460709)

[Feature: As a patient I would like to see my measurement history 4](#_Toc170460710)

[Feature: As an admin I would like to manage the doctors in my surgery 4](#_Toc170460711)

[Feature: As an admin I would like to log in to the system so that I can manage my office functions 4](#_Toc170460712)

[Feature: As an admin I would like to see a timetable of all doctors' appointments 5](#_Toc170460713)

[Feature: As a doctor I would like to log in to the system so that I can manage my appointments and patients 5](#_Toc170460714)

[Feature: As a doctor I would like to see a timetable of all my appointments 5](#_Toc170460715)

[Feature: As a doctor I would like to see my patient measurement history 5](#_Toc170460716)

## The Estate Agent Case Study

The project revolves around an Estate Agent Management System with the following Features:

### Feature: Manage Buyer

**Scenario: Register Buyer**  
Given the new buyer with the given first name and surname does not exist  
When a create buyer request is received with the given first name and surname  
Then a new buyer record is created with a buyer ID

### Feature: Manage Seller

**Scenario: Register Seller**  
Given a seller with the given first name and surname does not exist  
When a create seller request is received with the given first name and surname  
Then a new seller record is created with a seller ID

### Feature: Manage Property

**NOTE**: A property can have the following status: FORSALE, SOLD, WITHDRAWN

**Scenario: Add Property**  
Given a seller exists for the new property  
When a create property request for the given seller is received  
Then the property is added to the catalogue  
Then the property status is set to FORSALE

**Scenario: Find properties**  
When a Find properties request is received  
Then a list of properties with the corresponding criteria is shown

**Scenario: Withdraw Property that is FORSALE**  
Given The required Property exists  
Given The required Property is FORSALE  
When a Withdrawn property request is received  
Then property status is changed to WITHDRAWN

**Scenario: Resubmit Property that has been WITHDRAWN**  
Given The required Property exist  
Given The required Property has been WITHDRAWN  
When a Resubmit property request is received  
Then property status is changed to FORSALE

**Scenario: Amend properties details**  
Given The required Property exist  
Given The required Property is FORSALE  
When an Amend property request is received  
Then property details is updated

### Feature: Manage Bookings

**Note**: Viewing slot is every hour on the hour between 8am to 5pm every day including weekends and holidays

**Scenario: Make booking with Slot available**  
Given no active booking exists for the desired time slot for the property  
Given the property status is FORSALE  
Given the buyer is registered  
When a viewing is requested  
Then a booking is created for the buyer for the property at the given time slot

**Scenario: Make Booking - Time Slot not available**  
Given a booking already exists for the required timeslot for the given property  
When a viewing is requested is made for that time slot  
Then an error is shown to the user

**Scenario: Cancel Booking**  
Given a booking exists  
When a cancel booking request is made  
Then the booking is removed

## Minimal Viable Product

* **Manage Seller**
  + Register a new seller
  + Display all sellers
* **Manage Properties**
  + Add properties
  + Display all properties
  + Find and display properties with given search criteria on price, bedrooms, bathroom and garden
  + Withdraw a property
  + Resubmit a property
* **Manage Buyer**
  + Register new buyer
  + Display all buyers

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