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# Introduction

We have been tasked with designing a property management system to manage all the properties owned by Mr. David so he can streamline his current paper based system. The property management system should be able to completely replace the current system Mr. David is using so he can provide a better service for his staff and tenants. The system should also be able to display information about the availability of properties to replace the marketing tools Mr. David is currently being used.

# Implementation

The system is planned to be designed on a web based system. The front end of the system will be written in HTML / CSS / Javascript and the backend will be managed with PHP and MySQL.

# Release 1

*Delivery Date: Week 13*

*Total Story Points: 24*

Provide initial logon environments to provide Owners, Staff and Tenants a secured online group of webpages to allow them to view and edit their respective properties at their given level of access.

## Owner

Provide Owners with the tools to manage and edit their property details in a secured online environment.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| O01 | Secured Area for Owner | 2 |
| O02 | Add / Remove Properties | 4 |
| O03 | Manage Property Details | 2 |
| Story Point Sub-Total | | 8 |

## Staff

Staff will have logon access to be able to view there booking schedule and change their allocated property details.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S01 | Change allocated properties’ details | 1 |
| S02 | Booking Schedule Viewing | 1 |
| S03 | Staff login access | 2 |
| Story Point Sub-Total | | 4 |

## Tenant User

Rental tenants will be able to have logon access.

|  |  |  |
| --- | --- | --- |
| Story id | Story Title | Story Points |
| T04 | Rental Tenants login access | 2 |
| T05 | Emergency Communication | 4 |
| Story Point Sub-Total | | 6 |

## Potential Tenants

Provide Owners with the tools to manage and edit their property details in a secured online environment.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| PT01 | Search Properties | 2 |
| PT02 | Book Inspection | 2 |
| PT03 | Property Information | 2 |
| Story Point Sub-Total | | 6 |

# Release 2

Delivery Date: Week 13+

Story Points:

## Owner

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| O04 | Receiving Queries | 2 |
| O05 | Expense Tracking | 2 |
| Story Point Sub-Total | | 4 |

## Tenant User

|  |  |  |
| --- | --- | --- |
| Story id | Story Title | Story Points |
| T03 | Sending queries | 1 |
| T04 | Payment Details | 2 |
| Story Point Sub-Total | | 3 |

## Potential Tenants

Provide Owners with the tools to manage and edit their property details in a secured online environment.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| PT04 | Potential Tenant Account | 2 |
| Story Point Sub-Total | | 2 |

# Delivery Schedule

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 | Week 13 | Week 13+ |
| Sprint 1 | | | | Sprint 2 | | | | Sprint 3 |
| Release 1 | | | | | | | | Release 2 |

# Sprint Plan

## Sprint 1

*Total Hours: 70*

Current Velocity: 7

### **User Story: O01 (Add / Remove Properties)**

|  |  |  |
| --- | --- | --- |
| Task ID: | Task: | Estimate |
| 1 | Develop a basic list of all properties | 2 |
| 2 | Create a form to add a new property | 4 |
| 3 | Create Backend functionality for property | 10 |
| 4 | Link new property form submission to backend | 2 |
| 5 | Create a available criteria for property | 2 |
| 6 | Ensure prospective tenants only see available properties | 2 |
| 7 | Form validation | 4 |
| 8 | Testing / Iterating | 4 |
|  | Total Hours: | 30 |

### **User Story: O02 (Modify Property Details)**

|  |  |  |
| --- | --- | --- |
| Task ID: | Task: | Estimate |
| 1 | Create a link for owner to modify a selected property | 2 |
| 2 | Create a form displaying ALL the information about a property | 4 |
| 3 | Create backend functionality to populate ALL the information about a property | 10 |
| 4 | Create functionality to update backend when property information is submitted | 4 |
|  | Total Hours: | 20 |

### **User Story: O03 (Owner Secured Area)**

|  |  |  |
| --- | --- | --- |
| Task ID: | Task: | Estimate |
| 1 | Create login form for owner | 4 |
| 2 | Create backend functionality for owner to login | 10 |
| 3 | Properly handle password inputs | 4 |
| 4 | Create console for owner | 4 |
| 5 | Create skeleton features for owner | 4 |
| 6 | Create logout functionality for owner | 2 |
| 7 | Create method for owner to access secured area via main page | 2 |
| 8 | Test Features / Error Handling | 4 |
| 9 | Password reset feature | 2 |
|  | Total Hours: | 36 |

### **User Story: T01 (Rental Tenants login access)**

|  |  |  |
| --- | --- | --- |
| Task ID: | Task: | Estimate |
| 1 | Create a login form | 1 |
| 2 | Create backend functionality for Rental Tenants to login (database) | 4 |
| 3 | Properly handle password inputs | 1 |
| 4 | Create console for Rental Tenants | 4 |
| 5 | Create logout functionality | 1 |
| 6 | Test case | 2 |
|  | Total Hours: | 10 |

### **User Story: T02 (Emergencies)**

|  |  |  |
| --- | --- | --- |
| Task ID: | Task: | Estimate |
| 1 | Create navigation button to Emergencies page | 1 |
| 2 | Create Emergencies page layout | 1 |
| 3 | Create a emergency information database | 4 |
| 4 | Link database to “Emergencies” webpage | 0.5 |
| 5 | Properly handle database search inquires | 1 |
| 6 | Create a link to council emergency information | 0.5 |
| 7 | Test case | 2 |
|  | Total Hours: | 10 |

### User Story: PT01 (Property Details)

|  |  |  |
| --- | --- | --- |
| Task ID | Description | Estimated |
| 1 | Create a database to record all information about each accommodation such as name, ID, suburb, price, availability for inspection etc. | 5 |
| 2 | Use accommodation Id to be link with different pages | 1 |
| 3 | provide a complete web page to show all information about each property | 5 |
| 4 | Provide a form to make product owner to have access to data base to add, delete and edit properties | 2 |
| 5 | Form validation | 2 |
|  | **Total Hours:** | 15 |

### User Story: O01 (search property)

|  |  |  |
| --- | --- | --- |
| Task ID: | Task: | Estimate |
| 1 | Provide different search filter based on each property fields (e.g Property ID, name, price etc) | 5 |
| 2 | Provide a Form for users to be able to search | 2 |
| 3 | Provide list of available properties base on search field | 2 |
| 4 | Create a web page to show the result of search for each filter | 4 |
| 5 | Provide sort function for each search filter ( e.g sort accommodation based on their price) | 2 |
|  | Total Hours: | 15 |

### User Story: PT02 (Book Inspection)

|  |  |  |
| --- | --- | --- |
| Task ID: | Task: | Estimate |
| 1 | Provide a database of all prospective tenant with their userID and password | 5 |
| 2 | Provide sign in , sign out and log in forms | 2 |
| 3 | Form validation for users | 1 |
| 4 | Make sure stuff have access to user’s information such as email and phone number | 1 |
| 5 | Form validation for stuff | 1 |
| 6 | Provide a table of time and date schedule for inspection | 2 |
| 7 | Make sure staff have access to change inspection timetable | 1 |
| 8 | provide a Form for users to book an inspection (time\_ dat | 2 |
| 9 | Confirmation email will send to the prospective tenant | 1 |
|  | **Total Hours** | 15 |

### **User Story: S01 (Staff login access )**

|  |  |  |
| --- | --- | --- |
| Task ID: | Task: | Estimate |
| 1 | Create a login form | 1 |
| 2 | Create backend functionality for staff to login | 4 |
| 3 | Properly handle password inputs | 1 |
| 4 | Create console for Staff | 4 |
| 5 | Create logout functionality | 1 |
| 6 | Assign properties and permission for staff | 4 |
|  | Test case | 2 |
|  | Total Hours: | 16 |

### **User Story: S02 (Booking Schedule Viewing)**

|  |  |  |
| --- | --- | --- |
| Task ID: | Task: | Estimate |
| 1 | Create a webpage to display the schedule/calendar | 2 |
| 2 | Create backend functionality to retrieve the booking time from the database | 2 |
| 3 | Create backend to ensure only authorised staff can access specific properties information | 4 |
| 4 | Test case | 2 |
|  | Total Hours: | 10 |

### **User Story: S03 (Change allocated properties’ details)**

|  |  |  |
| --- | --- | --- |
| Task ID: | Task: | Estimate |
| 1 | Webpage to view the assigned properties of the staff | 2 |
| 2 | Backend functions to link the assigned properties information | 2 |
| 3 | Create backend to allow staff edit general information | 2 |
| 4 | Create a database and backend to record the history of modifications | 4 |
|  | Test case | 2 |
|  | **Total Hours:** | 12 |

### **User Story: T03 (Sending queries) (1 story point)**

|  |  |  |
| --- | --- | --- |
| Task ID: | Task: | Estimate |
| 1 | Create navigation button to “direct email webpage” | 1 |
| 2 | Display owner and staffs contact details | 2 |
| 3 | Create “direct email” page layouts and API that enable the sending email service | 3 |
| 4 | Create input fields for user to type issues titles and contents | 2 |
|  | Test case | 2 |
|  | Total Hours: | 10 |

### **User Story: T04 (Payment Details) (2 story point)**

|  |  |  |
| --- | --- | --- |
| Task ID: | Task: | Estimate |
| 1 | Create navigation button to “Payment details” page | 1 |
| 2 | Create Tenant user payment details page layout | 2 |
| 3 | Create database for payment details | 2 |
| 4 | Link database to “Payment details” webpage | 0.5 |
| 5 | Display payment details in layout form | 2 |
| 6 | Create notification function which updates the user via email when their payment is due | 2 |
|  | Test case | 3 |
|  | Total Hours: | 12.5 |

### **User Story: O06 (check personal detail of rental clients) (2 story point)**

|  |  |  |
| --- | --- | --- |
| Task ID: | Task: | Estimate |
| 1 | Create navigation button to personal detail page | 1 |
| 2 | Create Tenant user personal details page layout | 4 |
| 3 | Link with database of current user details | 4 |
| 4 | Display the user details like payment due date in layout forms | 4 |
| 5 | Create notification function as a reminder for user to check their due day | 4 |
|  | Test case | 3 |
|  | Total Hours: | 20 |