

# Requirements and User Stories backlog

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Hint for highlights green for new yellow for updated

### ScreenShot of Total Story Point and Completed Story Point for this Sprint

CMS - Sprint 3 11 Mar – 21 Mar (15 issues)			0
<input checked="" type="checkbox"/>	CM5-25 S3/D3 - Updated Software Architecture Document	0 - DOCUMENTS	DONE
<input checked="" type="checkbox"/>	CM5-119 Refactor front-end calls to use ReactQuery		DONE
<input checked="" type="checkbox"/>	CM5-114 Testing for UserController and ApplicationUserService		DONE
<input checked="" type="checkbox"/>	CM5-120 Refactor front-end elements to use NextUI components		DONE
<input checked="" type="checkbox"/>	CM5-29 S3/D9 - Sprint 4 UI Prototypes	0 - DOCUMENTS	DONE
<input checked="" type="checkbox"/>	CM5-30 S3/D10 - Sprint 4 Testing Plan	0 - DOCUMENTS	DONE
<input checked="" type="checkbox"/>	CM5-115 Testing for PropertyController and PropertyService		DONE
<input checked="" type="checkbox"/>	CM5-23 S3/D1 - Updated Project Vision Statement Document	0 - DOCUMENTS	DONE
<input checked="" type="checkbox"/>	CM5-118 Testing for CondoUnitController and CondoUnitService		DONE
<input checked="" type="checkbox"/>	CM5-24 S3/D2 - Updated User Stories Backlog, Requirements	0 - DOCUMENTS	DONE
<input checked="" type="checkbox"/>	CM5-26 S3/D4 - Updated Risk Assessment and Risk Management Plan Document	0 - DOCUMENTS	DONE
<input checked="" type="checkbox"/>	CM5-116 Testing for ParkingSpotController and LockerController		DONE
<input checked="" type="checkbox"/>	CM5-121 Testing for ParkingSpotService and LockerService		DONE
<input checked="" type="checkbox"/>	CM5-27 S3/D7 - Sprint 3 Retrospective	0 - DOCUMENTS	DONE
<input checked="" type="checkbox"/>	CM5-28 S3/D8 - Sprint 4 Planning (Release Plan)	0 - DOCUMENTS	DONE

### Feature 1: Public user profile creation

CMS-47: ~~User Profile Creation~~ (completed with acceptance test)

As a user, I want to create my unique profile with a profile picture, user name, contact email, and phone number, so I can customise and enhance my overall experience within the system.

Feature 1: Public user profile creation

MoSCoW

Must have: create unique profile, profile picture, user name, contact email, phone number

Should have: customization options for profile (bio...)

Could have: option to add additional contact methods (social media handles...)

Won't have: public display of phone numbers for regular users

Bus. Value: L

Risk: M

Effort: 5

CMS-49: ~~Assignment of Registration Keys~~ (completed with acceptance test)

As a user, I want to be recognized as a condo owner/renter by providing a registration key obtained from my condo management company, so I can get access to the system's corresponding condo owner/renter features and link my condo unit on my profile.

Feature 1: Public user profile creation

MoSCoW Must have: ability to input registration key, access to corresponding features Should have: feedback on key verification status Could have: option to update linked condo unit Won't have: free access to all condo management features		
Bus. Value: L	Risk: M	Effort: 2

<a href="#">CMS-110: User Roles</a>		
As a user, I want to only have access to the services relevant to my login user type (company, property owner, rentor, unit owner), so when I'm logged in, I can only use the features that are useful to me.		
Feature 1: Public user profile creation		
MoSCoW Must have: ability to hide the feature that are not relevant to the corresponding user type Should have: visual display of the user's profile type (on the main page) when login is successful Could have: user profile customization options that allow users to add or remove details based on their preferences and requirements Won't have: customization options that allow users to access features not intended for their user type.		
Bus. Value: M	Risk: L	Effort: 3

## Feature 2: Property profile creation

<a href="#">CMS-48: Property Profile Creation</a> (completed with acceptance test)		
As a manager in a condo management company, I want to create profiles for my properties, so I can efficiently manage all my profiles, provide accurate representations for each property, and ensure clear communication between rental users, condo owners, and myself, regarding my properties.		
Feature 2: Property profile creation		
MoSCoW Must have: mandatory fields such as property name, company name, address, city Should have: load pictures of property Could have: analytics to track engagement per property profile Won't have: virtual tours of the property profile		
Bus. Value: XL	Risk: M	Effort: 4

[CMS-52: Condo File Upload](#) (completed with acceptance test)

As a manager in a condo management company, I want to upload condo files in the profiles of each one of my properties, so the files can be easily accessible to all condo owners and rental users, providing them with detailed representations of my properties.

Feature 2: Property profile creation

MoSCoW

Must have: functionality to upload condo files

Should have: user-friendly interface for uploading and viewing files

Could have: notification system to alert users when new files are uploaded

Won't have: real time collaboration on documents

Bus. Value: L

Risk: M

Effort: 4

[CMS-53: Condo Unit Management](#) (completed with acceptance test)

As a manager in a condo management company, I want to upload detailed information for each condo unit, specifically unit id, size, unit owner, occupant information, and condo fee, so I can easily manage my property's spaces, and users can view my property's details.

Feature 2: Property profile creation

MoSCoW

Must have: ability to upload basic information for each condo unit (unit id, size, owner, occupant, condo fees)

Should have: ability to edit condo unit information after submission

Could have: advanced filtering settings to navigate through different condo units

Won't have: a feature for occupants to directly edit their information (to ensure accuracy and security)

Bus. Value: L

Risk: M

Effort: 4

[CMS-78: Adding Parking Spots and Lockers to a Property Profile](#) (completed with acceptance test)

As a manager in a condo management company, I want to upload detailed information for each parking spot, and each locker in my property's profile, specifically parking spot id, spot owner, occupant information, and condo fee associated with the parking spot so I can easily manage my property's spaces, and users can view my property's facilities.

Feature 2: Property profile creation

MoSCoW

Must have: upload parking and locker information in the property profile Should have: ability to view associated condo fee Could have: advanced search filter to find specific parking spots or lockers Won't have: real time reservation system for parkings/lockers		
Bus. Value: L	Risk: M	Effort: 3

<a href="#">CMS-79</a> : <del>Send Registration Keys from Condo Unit to Owner/Renter</del> (completed with acceptance test)		
As a manager in a condo management company, I want to send registration keys to unit owners or rental users for their dedicated units, so they can link a condo to their profile and be recognized as either a condo owner or a rental user in the system.		
Feature 2: Property profile creation		
MoSCoW Must have: ability for managers to send registration keys to unit owners or rental users Should have: feedback on key status Could have: batch processing for sending out registration keys (more efficient) Won't have: manual entry of unit owners or rental users (not as secure)		
Bus. Value: M	Risk: M	Effort: 2

### Feature 3: Condo owner dashboard

<a href="#">CMS-51</a> : <del>Condo owner dashboard</del> (completed with acceptance test)		
As a condo owner, I want access to a dashboard of my properties which will include my profile, condo information, financial status, and status of submitted requests, so I can efficiently view, manage, and navigate all aspects of my condo ownership.		
Feature 3: Condo owner dashboard		
MoSCoW Must have: access for condo owners to view profile, condo information, status of submitted requests Should have: notification alerts for submitted requests Could have: customizable dashboard views Won't have: real-time chat support		
Bus. Value: L	Risk: M	Effort: 6

### Feature 4: Financial system

[CMS-80](#): Manager input of fees

As a manager in a condo management company, I want to enter the condo fee per square foot, and per parking spot for each unit in a property, so the financial system within the condo management system can generate the condo fee for each unit and present it to condo owners, making it easy for them to view their total condo fees.

Feature 4: Financial system

MoSCoW

Must have: form to enter condo fee per square food and per parking so the system can generate the condo fee

Should have: adjustment feature for rate changes

Could have: notifications to condo owners about fee updates

Won't have: manual calculation or entry of total fees for each unit

Bus. Value: L

Risk: M

Effort: 5

[CMS-81](#): Generation of Operational Budget

As a manager in a condo management company, I want the financial system to generate an operational budget, so I can keep track of all fees and costs.

Feature 4: Financial system

MoSCoW

Must have: automated generation of operational budget with fees and costs

Should have: customizable budget

Could have: notifications being sent if costs go above the budget

Won't have: reports for each condo unit

Bus. Value: XL

Risk: H

Effort: 5

[CMS-82](#): Generation of Annual Report

As a manager in a condo management company, I want the financial system to generate an annual report that describes all condo fees collected in a year, so I can easily view my yearly gross income.

Feature 4: Financial system

MoSCoW

Must have: annual report generation

Should have: customizable report parameters

Could have: additional security access

Won't have: predictions for future income

Bus. Value: XL

Risk: H

Effort: 4

## Feature 5: Reservation System

<a href="#">CMS-83</a> : Room Booking		
As a user who wants to book a room, I would like to be able to reserve additional rooms provided by the condo management in a calendar-like interface so that I may have a better stay.		
Feature 5: Reservation System		
MoSCoW Must have: calendar like interface for booking rooms with availabilities Should have: ability to view information about each room Could have: filtering settings to view certain rooms based on preferences Won't have: recommendation of rooms based on users past bookings		
Bus. Value: L	Risk: M	Effort: 6

<a href="#">CMS-84</a> : Room Availability		
As a user who wants to book a room, I would like for the system to show the availability of common facilities, so that I may plan more services or receive better suggestions.		
Feature 5: Reservation System		
MoSCoW Must have: ability to view the common facilities of each property and their availabilities Should have: ability to reserve time slots for the facilities Could have: notifications on facility availability changes Won't have: recommendation of facilities based on users past bookings		
Bus. Value: M	Risk: M	Effort: 5

<a href="#">CMS-85</a> : Rooms first-come first-serve		
As a user who wants to book a room, I would like for the reservation service to be first come first served, so that I can be assured of my reservation.		
Feature 5: Reservation System		
MoSCoW Must have: first-come first-serve mechanism Should have: clear display of real time availability Could have: waitlist feature Won't have: option to bid for rooms		
Bus. Value: M	Risk: L	Effort: 3

## Feature 6: Roles

<a href="#">CMS-86</a> Assignment of Roles to Employee Users		
As a manager in a condo management company, I want to be able to define different roles for employees, so that I can assign specific responsibilities related to property management.		
Feature 6 - Roles		
MoSCoW Must have: ability to view and edit all employees and their roles Should have: a save button to confirm changes Could have: filter system by role Won't have: a revert feature to go back		
Bus. Value: M	Risk: L	Effort: 4

## Feature 7: Request System

<a href="#">CMS-87</a> Request board		
As a condo owner, I want to submit a request for moving in/out, intercom changes, reporting a violation, reporting a deficiency and/or asking any questions so that necessary action and assistance can be taken by the management. If applicable a corresponding employee needs to be assigned.		
Feature 7 - Requests System		
MoSCoW Must have: View Model of requests for both owners and management Should have: Buttons to add, remove, edit Could have: employee assignation Won't have: ai support tools		
Bus. Value: H	Risk: M	Effort: 6

## Feature 8: Notification page

<a href="#">CMS-103</a> Notification Board		
As a user, I want to have access to a notification page where I can see the latest activities submitted or assigned requests.		
Feature 8 - Notification page		
MoSCoW		



Must have: tab that opens up to notifications view Should have: it should be in form of a side bar Could have: ability to remove notifications Won't have: ability to silence them		
Bus. Value: M	Risk: L	Effort: 5

#### Additional features:

Additional features are optional and some might be discarded depending on further sprints

<a href="#">CMS-104</a> Discussion Board		
As a user, I want to post and reply to new discussions, so that I can share my thoughts, questions, and experiences within the community.		
Additional feature		
MoSCoW Must have: A place for discussion in which users can talk to management Should have: The ability to reply to comments Could have: The ability to remove comments Won't have: The ability to report comments		
Bus. Value: L	Risk: L	Effort: 4

<a href="#">CMS-105</a> Organizing and Participating in Community Events		
As a user, I want to organise events and invite other occupants to attend, as well as view events and accept/decline invitations so that I can facilitate community engagement and collaboration.		
Additional feature		
MoSCoW Must have: A calendar or scheduling feature where users can create, view, and manage upcoming events. Should have: Notifications for event invitations, reminders, and updates to ensure participants are informed. Could have: Integration with external calendar services (e.g., Google Calendar, Outlook) for broader access and convenience Won't have: The ability to make events public to non-community members to maintain privacy and exclusivity.		
Bus. Value: M	Risk: M	Effort: 3

#### [CMS-106](#) Exclusive Offers Listing for Community Members

As a manager in a condo management company, I want to list coupons/offers that are visible to unit owners or rental users for a specific property, so I can provide exclusive benefits to the community.

Additional feature

MoSCoW

Must have: A dedicated section on the community platform for posting and viewing exclusive offers and coupons.

Should have: The ability for users to save offers they are interested in and receive reminders before the offers expire.

Could have: Personalization of offers based on user preferences or past interactions to increase relevance and engagement.

Won't have: The functionality for users to submit their own offers to prevent misuse and ensure offer quality.

Bus. Value: H

Risk: L

Effort: 2

#### [CMS-107](#) Cross-Platform System Accessibility

As a user, I want to be able to access the system on Android, iOS, Linux, MacOS, and Windows so that I can have the freedom to use whatever device is most convenient to me at the moment.

Additional features

MoSCoW

Must have: Responsive web design that ensures the system is accessible and usable across all mentioned platforms.

Should have: Native app versions for Android and iOS to provide an optimized experience on mobile devices.

Could have: Desktop applications for Linux, MacOS, and Windows for users who prefer or require offline access.

Won't have: Custom-built web browsers or operating systems support outside of the major platforms listed to keep development and maintenance feasible.

Bus. Value: H

Risk: M

Effort: 5

#### [CMS-108](#) Multilingual App Support

As a user, I want the option to use the app in English and at least one other language so that the app can be more accessible to everyone.

Additional features

MoSCoW

Must have: Support for both English and a second language that is widely used among the app's target audience, with the ability to switch languages within the app settings.

Should have: Language selection on first use or registration, allowing users to choose their preferred language from the start.

Could have: Automatic language detection based on the user's device settings to improve initial usability and convenience.

Won't have: Support for every possible language, as this would be impractical and resource-intensive given the app's scope and target audience.

Bus. Value: H

Risk: L

Effort: 3

[CMS-109](#) Seamless Email-Based Login Integration

As a user, I want the option to log in with my Gmail account or other such email account, so that I can access the app seamlessly without creating a new set of credentials.

Additional feature

MoSCoW

Must have: Integration with Gmail for login, leveraging OAuth for secure authentication without sharing password details.

Should have: The ability to link multiple email accounts to a single app profile for users who want to use different email addresses.

Could have: Support for additional widely used email providers beyond Gmail, such as Outlook or Yahoo, to accommodate more users' preferences.

Won't have: A requirement for users to provide additional unnecessary personal information during the login process to respect privacy and minimize data collection.

Bus. Value: H

Risk: M

Effort: 3

### Summary Story Points (without additional features)

Completed User Stories	Story points
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CMS-47	5
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CMS-49	2
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CMS-48	4
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CMS-52	4
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CMS-53	4
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CMS-78	3
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CMS-79	2
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CMS-51	6
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<i>Total # completed user story points</i>	<i>30</i>
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Remaining User Stories	Story points
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CMS-110	3
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CMS-80	5
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CMS-81	5
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CMS-82	4
CMS-83	6
CMS-84	5
CMS-85	3
CMS-86	4
CMS-87	6
CMS-103	5

*Total # remaining user story points*      46

#### SAMPLE

MoSCoW Must have: Should have: Could have: Won't have:		
Bus. Value:	Risk:	Effort: