

Condo Management System Project:

Condofy

## Traceability matrix with requirements

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## Features:

Below is a list of the features completed in this sprint. Following standard software practices, Jira is used as the project management software. All features, gathered from the requirements document provided, are presented as epics, all epics are divided into user stories and all user stories are broken down to subtasks. Non-technical tasks and bugs were omitted from this document.

User story points (USPs) from 1-5 are assigned to each user story. The scale is defined as follows: 1 story point represents 4 hours of work.

All “tickets” (epics/requirements in grey, stories, subtasks) have ids corresponding to their Jira ids. For example, Epic CN-1 corresponds to ticket CN-1 in Jira. Also, the links to the Pull requests are the linked artifact needed.

## Sprint 1:

| User Story ID   | USP | Priority | Status | Link to GitHub PR                               |
|---|-----|----------|--------|---|
| <b>User Authentication (<a href="#">Epic CN-1 JIRA</a>)</b> <ul style="list-style-type: none"> <li>Public users can create their own (unique) profile. The minimum information needed in a profile is below. <ul style="list-style-type: none"> <li>A profile should at least include a profile picture, user name, contact email, phone number.</li> </ul> </li> <li>Condo management companies can set up different roles for different employees, who are responsible for the same property. Such roles include manager, or someone who is responsible for daily operations, or someone who is responsible for finance.</li> <li></li> </ul> |     |          |        |   |
| <b>Font-end User sign-in (<a href="#">User Story CN-3 JIRA</a>)</b><br><br>As a user, I want a straightforward and accessible login interface so that I can easily sign in to my account.   | 3   | High     | DONE   | <a href="#">Login form developed #17</a>        |
| <b>Frontend - User Registration (<a href="#">User Story CN-2 JIRA</a>)</b><br><br>As a user, I want an intuitive and user-friendly interface for registering an account so that I can easily sign up for the condo management services.   | 3   | High     | DONE   | <a href="#">Implement Registration Page #19</a> |
| <b>Backend - User Registration (<a href="#">User Story CN-14 JIRA</a>)</b><br><br>As a public user, I would like to be able to sign up and as a manager, I would like to be able to register my employees   | 5   | High     | DONE   | <a href="#">backend set up #8</a>               |
| <b>Backend - User Sign-in (<a href="#">User Story CN-15 JIRA</a>)</b><br><br>As a user, I would like to be able to sign in and remain authenticated.  | 5   | High     | DONE   | <a href="#">signin api #21</a>                  |
| <b>Backend - Implement endpoint for managing user information (<a href="#">User Story CN-37 JIRA</a>)</b><br><br>As a user, I would like to be able to view and modify my profile data.   | 3   | Medium   | DONE   | <a href="#">modify sign up #18</a>              |

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|---|----|--------|---------------------|--|
| <b>Frontend - User Profile page (<a href="#">User Story CN-31 JIRA</a>)</b><br><br>As a user, I want a straightforward and accessible profile page where I can edit all of my relevant information. | 3  | Medium | PUSHED TO SPRINT #2 | <a href="#">frontend user profile page #52</a> |
| <b>Frontend - Company registration (<a href="#">User Story CN-39 JIRA</a>)</b><br><br>As a manager, I would like to be able to sign my company up.  | 3  | High   | DONE                | <a href="#">signup company #11</a>             |
| <b>Total USP</b>  | 25 |        |                     |  |

Sprint 2:

| User Story ID  | USP | Priority | Status | Link to GitHub PR                              |
|--|-----|----------|--------|--|
| <b>User Authentication (<a href="#">Epic CN-1 JIRA</a>)</b>  |     |          |        |  |
| <b>Frontend - User Profile page (<a href="#">User Story CN-31 JIRA</a>)</b><br><br><b>As a user</b> , I want a straightforward and accessible profile page where I can edit all of my relevant information.  | 3   | High     | DONE   | <a href="#">frontend user profile page #52</a> |
| <b>Property Management (<a href="#">Epic CN-54 JIRA</a>)</b><br><br>This epic tracks the creation and management of buildings, units, storage/parking from the Company’s perspective. As well as the ability for users to view their information as required:<br><br><b>Registration for public users:</b><br>“Public users need to provide a registration key obtained from their condo management company to become condo owners in the system.<br>Public users need to provide a registration key obtained from their condo management company to become rental users in the system.”<br><br><b>Public users access:</b><br><br>“Condo owners can have a good view (dashboard) of their properties, including general information.” |     |          |        |  |

|  |   |        |      |  |
|--|---|--------|------|--|
| <b><u>Companies</u></b>  |   |        |      |  |
| “Condo management companies can create a profile for a property under their management.”   |   |        |      |  |
| <b>Frontend - Property Dashboard (Company) (<a href="#">User Story CN-53 JIRA</a>)</b><br><br>As a company manager, I want to view a dashboard showing all the properties belonging to my company, so that I can easily manage them.                   | 3 | High   | DONE | <a href="#">unit dashboard #49</a>             |
| <b>Frontend - Create Property/Building Page (<a href="#">User Story CN-55 JIRA</a>)</b><br><br>As company manager, I want to create and manage condo property profiles, so that all necessary property details are available to owners and tenants.    | 3 | High   | DONE | <a href="#">building page UI #45</a>           |
| <b>Frontend - Unit Dashboard Page for parent Building (<a href="#">CN-56 JIRA</a>)</b><br><br>As company manager, I want to create and manage condo property profiles, so that all necessary property details are available to owners and tenants.     | 3 | High   | DONE | <a href="#">unit dashboard #49</a>             |
| <b>Frontend - Create Unit Page (<a href="#">JIRA</a>)</b><br><br>As company manager, I want to enter detailed information for condo units.   | 3 | High   | DONE | <a href="#">Owner properties page #81</a>      |
| <b>Backend - Condo Management (<a href="#">CN-65 JIRA</a>)</b><br><br>As a user, I want to have the expected access to properties. Managers must be able to create, view, delete, and modify properties. Owners must be able to view their properties. | 5 | High   | DONE | <a href="#">condo management #42</a>           |
| <b>Backend - Condo registration (<a href="#">CN-66 JIRA</a>)</b><br><br>As a public user (owner/tenant), I must be able to register my property to my account.   | 3 | High   | DONE | <a href="#">backend-condo registration #55</a> |
| <b>Backend - Parking &amp; Storage (<a href="#">CN-67 JIRA</a>)</b>  | 3 | Medium | DONE | <a href="#">backend parking storage #47</a>    |

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| As an owner, I must be able to view properties linked to my condo (unit, parking, storage) and as a manager, must be able to manage this.  |    |        |      |   |
| <b>Mobile Application (<a href="#">Epic CN-54 JIRA</a>)</b><br><br>This Epic tracks the mobile application progress, which according to the requirements is an app that contains all the same core functionalities: “The simplified condo management app and its companion Web site must have of these following core functionalities” |    |        |      |   |
| <b>Sign In Page ( <a href="#">JIRA</a> )</b><br><br>As a user, I would like to be able to sign in to the app.  | 2  | Medium | DONE | <a href="#">fix broken signing in #12</a> |
| <b>Total USP</b>   | 25 |        |      |   |

**Sprint 3:**

| User Story ID  | USP | Priority | Status | Link to GitHub PR                                     |
|--|-----|----------|--------|---|
| <b>Employee Management (<a href="#">Epic CN-64 JIRA</a>)</b><br><br>Company managers must be able to remove, add and view all company employees.                                   |     |          |        |   |
| <b>Frontend - Create Employee (Mobile and Web) (User Story CN-59 JIRA)</b><br><br>As a company manager, I would like to be able to create an employee with a role assigned to him. | 5   | High     | Done   | <a href="#">managers create employees company #22</a> |
| <b>Backend - Get Company Employees (<a href="#">User Story CN-129 JIRA</a>)</b><br><br>As a manager, I would like to be able to view all my managers.                              | 2   | High     | DONE   | <a href="#">get company employees #73</a>             |

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| <b>Frontend - Employee Management Dashboard (User Story CN-58 JIRA)</b><br><br><b>As a company manager</b> , I want to view a dashboard showing all the properties belonging to my company, so that I can easily manage them.  | 3 | High   | DONE | <a href="#">company employee management #80</a> |
| <b>Backend- Manage a unit's financial status (User Story CN-132 JIRA)</b><br><br><b>As company manager</b> , I would like to be able to view and modify the financial status of all properties.  | 4 | High   | DONE | <a href="#">manage unit finances #75</a>        |
| <b>Mobile Application (Epic CN-87 JIRA)</b><br><br>This Epic tracks the mobile application progress, which according to the requirements is an app that contains all the same core functionalities: "The simplified condo management app and its companion Web site must have of these following core functionalities" |   |        |      |   |
| <b>Mobile - Sign Up Page (All Users JIRA)</b><br><br><b>As a company manager</b> , I would like to be able to sign myself and my company up.<br><br><b>As a public user</b> , I would like to be able to sign myself up and use my registration key.   | 3 | Medium | DONE | <a href="#">mobile sign in #1</a>               |
| <b>Mobile - User Profile ( JIRA)</b><br><br><b>As a user</b> , I would access to my profile page and would like to be able to modify all my relevant data as expected.   | 2 | Medium | DONE | <a href="#">User Profile-Front end #5</a>       |
| <b>Mobile - Main Authentication (Epic CN-87 JIRA)</b><br><br>When the user signs in we must maintain authentication as we do on web.   | 3 | Medium | DONE | <a href="#">Main_auth #3</a>                    |
| <b>Property Management (Epic CN-54 JIRA)</b><br><br>This epic tracks the creation and management of buildings, units, and storage/parking from the Company's perspective. As well as the ability for users to view their information as required:  |   |        |      |   |

Registration for public users:

“Public users need to provide a registration key obtained from their condo management company to become condo owners in the system.

Public users need to provide a registration key obtained from their condo management company to become rental users in the system.”

Public users access:

“Condo owners can have a good view (dashboard) of their properties, including general information.”

Companies

“Condo management companies can create a profile for a property under their management.”

|   |   |      |      |   |
|---|---|------|------|---|
| <b>Frontend - Owner Dashboard (Units, personal info) (User Story CN-123 JIRA)</b>                               | 4 | High | DONE | <a href="#">Owner properties page #81</a> |
| <b>As an owner</b> , I would like to be able to view my properties and their financial status in the dashboard. |   |      |      |   |

**Property Financial System (Epic CN-124 JIRA)**

The condo management system contains a simplified financial system.

Condo management companies can enter condo fee per square foot, per parking spot.

Condo fee of each unit will be calculated and presented to unit owners.

The financial system records operational budget (i.e., the collected condo fee) and cost. Condo management companies can enter the cost for each operation.



|   |    |      |                     |   |
|---|----|------|---------------------|---|
| The financial system can generate an annual report. For example, all the condo fee collected for a given year.  |    |      |                     |   |
| <b>Frontend- Owner view Financial Report (CN-139 JIRA)</b><br><br><b>As an owner,</b> I would like to be able to view all my assets' financial history.   | 3  | High | PUSHED TO SPRINT #4 | <a href="#">Implement viewing &amp; exporting payment history #90</a> |
| <b>Backend - Parking Price Calculation (CN-130 JIRA)</b><br><br><b>As a company manager,</b> I would like to enter condo fee per square foot, per parking spot.   | 4  | High | DONE                | <a href="#">manage unit finances #75</a>                              |
| <b>Backend - Owner Financial Status (CN-131 JIRA)</b><br><br><b>As an owner,</b> I would like to be able to view my assets' financial status (balance, fees, and all other relevant data).                    | 3  | High | DONE                | <a href="#">Implement viewing &amp; exporting payment history #90</a> |
| <b>Frontend - Company Financial System (CN-125 JIRA)</b><br><br><b>As a company manager,</b> I would like to be able to view and modify the financial status of all assets.                                   | 3  | High | DONE                | <a href="#">company finances #79</a>                                  |
| <b>Frontend - Employee Management Dashboard (CN-58 JIRA)</b><br><br><b>As a company manager,</b> I want to view a page displaying all the employees working for my company, so that I can easily manage them. | 3  | High | DONE                | <a href="#">company employee management #80</a>                       |
| <b>Total USP</b>  | 42 |      |                     |   |

## Sprint 4:

| User Story ID  | USP | Priority | Status | Link to GitHub PR                        |
|--|-----|----------|--------|--|
| <b>Requests (<a href="#">Epic CN-155 JIRA</a>)</b><br><br>Condo owners can submit requests.<br><br>Examples of such requests include moving in/out (date for reserving elevators), intercom changes, requesting access (fobs, keys), reporting a violation, reporting deficiency found in common areas, or asking a question.<br><br>Each request will be assigned to a corresponding employee based on the type of the request. |     |          |        |  |
| <b>Backend - Handle requests (Company) (<a href="#">User Story CN-154 JIRA</a>)</b><br><br>As an employee, I would like to be able to handle requests relevant to my work.   | 3   | High     | DONE   | <a href="#">handle requests #97</a>      |
| <b>Backend - Submit requests (Owner) (<a href="#">User Story CN-156 JIRA</a>)</b><br><br>As an owner, I would like to be able to submit a request specifying the issue and category.   | 3   | High     | DONE   | <a href="#">owner submit request #89</a> |
| <b>Frontend - Employees handle requests (<a href="#">User Story CN-161 JIRA</a>)</b><br><br>As an employee, I would like to be able to handle a request.   | 4   | High     | TODO   | <a href="#">employee requests #99</a>    |
| <b>Frontend - Owners submit requests (<a href="#">User Story CN-162 JIRA</a>)</b><br><br>As an owner, I would like to be able to submit a request.   | 4   | High     | DONE   | <a href="#">owner request #94</a>        |
| <b>Building Facilities (<a href="#">Epic CN-152 JIRA</a>)</b><br><br>The condo management system contains a simplified reservation system.   |     |          |        |  |

|   |   |      |      |  |
|---|---|------|------|--|
| <p>Condo management companies set up the common facilities, which require reservations. Examples include a sky lounge, a spa fitness.</p> <p>The reservation system allows condo owners and rental users to reserve common facilities in a calendar-like interface.</p> <p>The reservation system should show availabilities of common facilities.</p> <p>The reservation is first-come-first-serve. Once a facility is booked, it will become unavailable for the reserved time.</p> |   |      |      |  |
| <b>Backend - Make Reservations (<a href="#">Public users</a>) (<a href="#">User Story CN-153 JIRA</a>)</b><br><br><b>As a public user,</b> I would like to be able to make reservations for any available facility in a building I am a part of.  | 3 | High | DONE | <a href="#">make reservations #91</a>              |
| <b>Backend - Manage Facilities (Company) (<a href="#">User Story CN-151 JIRA</a>)</b><br><br><b>As a manager,</b> I would like to be able to manage facilities for all my company's properties.   | 3 | High | DONE | <a href="#">company building facilities #85</a>    |
| <b>Frontend - Company manages facilities (<a href="#">User Story CN-160 JIRA</a>)</b><br><br><b>As a manager,</b> I would like to be able to manage facilities for all buildings.   | 4 | High | DONE | <a href="#">facility management #87</a>            |
| <b>Frontend - Facility Reservation (<a href="#">User Story CN-180 JIRA</a>)</b><br><br><b>As a resident,</b> I want to view the building facilities included in the properties I own or rent and create or cancel reservations for these facilities, So that I can easily manage my access to these amenities and plan my usage according to availability.  | 4 | High | Done | <a href="#">Implement facility reservation #98</a> |
| <b>Property Financial System (<a href="#">Epic CN-124 JIRA</a>)</b>   |   |      |      |  |

|   |   |      |                             |   |
|---|---|------|-----------------------------|---|
| <p>The condo management system contains a simplified financial system.</p> <p>Condo management companies can enter condo fee per square foot, per parking spot.</p> <p>Condo fee of each unit will be calculated and presented to unit owners.</p> <p>The financial system records operational budget (i.e., the collected condo fee) and cost. Condo management companies can enter the cost for each operation.</p> <p>The financial system can generate an annual report. For example, all the condo fee collected for a given year.</p> |   |      |                             |   |
| <p><b>Frontend- Owner view Financial Report (CN-139 JIRA)</b></p> <p><b>As an owner,</b> I would like to be able to view all my assets' financial history.</p>  | 3 | High | DONE (Pushed from Sprint 3) | <a href="#">Implement viewing &amp; exporting payment history #90</a> |
| <p><b>Mobile Application (Epic CN-87 JIRA)</b></p> <p>This Epic tracks the mobile application progress, which according to the requirements is an app that contains all the same core functionalities: “The simplified condo management app and its companion Web site must have of these following core functionalities”</p>   |   |      |                             |   |
| <p><b>Frontend - Manage Employees (mobile) (CN-164 JIRA)</b></p> <p><b>As a manager,</b> I would like to be able to manage my employees from mobile.</p>  | 4 | High | INCOMPLETE                  |   |
| <p><b>Frontend - Owner dashboard (mobile) (CN-163 JIRA)</b></p> <p><b>As an owner,</b> I would like to be able to view my dashboard on mobile.</p>  | 3 | High | INCOMPLETE                  |   |
| <b>Employee Management (Epic CN-64 JIRA)</b>  |   |      |                             |   |

|   |   |        |      |   |
|---|---|--------|------|---|
| Company managers must be able to remove, add and view all company employees.  |   |        |      |   |
| <b>Frontend - Create Employee (Mobile and Web) (User Story CN-59 JIRA)</b><br><br><b>As a company manager</b> , I would like to be able to create an employee with a role assigned to him.  | 5 | High   | Done | <a href="#">managers create employees company #22</a> |
| <b>Property Management (<a href="#">Epic CN-54 JIRA</a>)</b><br><br>This epic tracks the creation and management of buildings, units, and storage/parking from the Company's perspective. As well as the ability for users to view their information as required:<br><br>Registration for public users:<br><br>"Public users need to provide a registration key obtained from their condo management company to become condo owners in the system.<br><br>Public users need to provide a registration key obtained from their condo management company to become rental users in the system."<br><br>Public users access:<br><br>"Condo owners can have a good view (dashboard) of their properties, including general information."<br><br>Companies<br><br>"Condo management companies can create a profile for a property under their management." |   |        |      |   |
| <b>Frontend - Renter view unit (<a href="#">CN-158 JIRA</a>)</b><br><br><b>As a renter</b> , I would like to view my rented unit.   | 2 | Medium | DONE | <a href="#">renter dashboard unit #93</a>             |

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|---|----|------|------------|---|
| <b>Frontend - Link parking/storage to unit (CN-159 JIRA)</b><br><br><b>As a manager,</b> I would like to be able to link storage units and parkings to units. | 2  | High | DONE       | <a href="#">unit parking/storage #100</a> |
| <b>NO EPIC STORIES</b>  |    |      |            |   |
| <b>Backend - Dispatch Notifications ( JIRA)</b><br><br><b>As a user,</b> I would like to see notifications relevant to my requests and reservations.          | 4  | High | INCOMPLETE |   |
| <b>Total USP</b>  | 42 |      |            |   |

### Sprint 5:

| User Story ID  | USP | Priority | Status | Link to GitHub PR |
|--|-----|----------|--------|-------------------|
| <b>Property Management (Epic CN-54 JIRA)</b><br><br>This epic tracks the creation and management of buildings, units, and storage/parking from the Company's perspective. As well as the ability for users to view their information as required:<br><br>Registration for public users:<br><br>"Public users need to provide a registration key obtained from their condo management company to become condo owners in the system."<br><br>Public users need to provide a registration key obtained from their condo management company to become rental users in the system."<br><br>Public users access:<br><br>"Condo owners can have a good view (dashboard) of their properties, including general information."<br><br>Companies |     |          |        |                   |

|  |   |        |      |  |
|--|---|--------|------|--|
| “Condo management companies can create a profile for a property under their management.”   |   |        |      |  |
| <b>Condo PDFs accessible to all owners (CN-195 JIRA)</b><br><br>As an owner, I would like to view and be able to download my building files. | 3 | Medium | DONE | <a href="#">Cn 194 195 #102</a>  |
| <b>Owner name should be displayed (CN-196 JIRA)</b><br><br>The unit’s owner name should be displayed in the unit table                       | 2 | High   | DONE | <a href="#">Add option to display owner information (management dashboard)</a> |
| <b>Total USP</b>   | 5 |        |      |  |