Life Prognosis Management Tool – Use Case Diagram
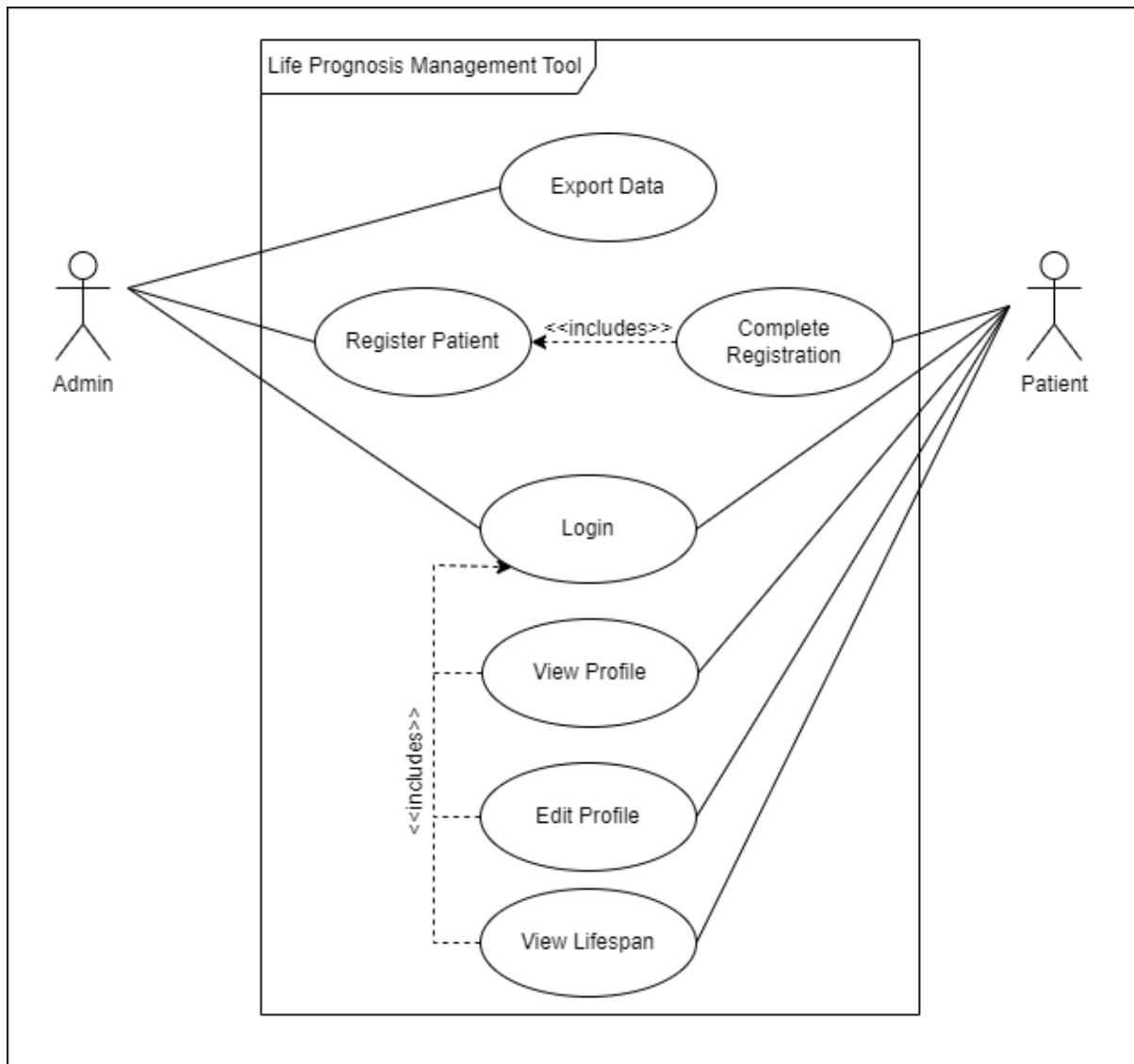

Use Case Description: Register Patient

Use Case name	Register Patient
Related Requirements	Req1
Goal in context	The administrator should initiate patient registration and get a UUID
Preconditions	The administrator should login first
Successful End Conditions	The system generates a UUID for the patient to complete registration
Failed End Condition	The system does not generate a UUID
Primary Actors	Admin

Secondary Actors	None
Trigger	The admin asks the Life Prognosis Management System to create a new patient
Main Flow	1. The admin asks the Life Prognosis Management System to create a new patient 2. The admin enters the patient email address 3. The email format is checked and whether the email exists 4. The system generates a UUID for the patient
Extensions	3.1 The email is not in the correct format, or the email exists in the system 3.2 The UUID is not generated for the patient

Use Case Description: Login

Use Case name	Register Patient
Related Requirements	Req2
Goal in context	The user logs into the system
Preconditions	Only the registered admin and patients that have completed their registration can log into the system
Successful End Conditions	The user logs into the system
Failed End Condition	The user does not log into the system
Primary Actors	Admin, Patient
Secondary Actors	None
Trigger	The user prompts the Life prognosis Management Tool to log in
Main Flow	1. The user enters the email 2. The user enters the password 3. The details are checked and verified against the data in the user store 4. The user logs in
Extensions	3.1 The user details are not found in the user store 3.2 The user does not log in

Use Case Description: Export Data

Use Case name	Register Patient
Related Requirements	Req3
Goal in context	The admin exports files

Preconditions	The admin must be logged into the system
Successful End Conditions	The patient data and the patient data analytics files are downloaded by the admin
Failed End Condition	The files are not downloaded by the admin
Primary Actors	Admin
Secondary Actors	None
Trigger	The admin asks to download the files from the system
Main Flow	1. The admin asks to download the patient data and the patient data analytics files from the system 2. The files are generated and saved on the user's device
Extensions	2.1 The files are not generated and saved on the user's device

Use Case Description: View Profile

Use Case name	Register Patient
Related Requirements	Req4
Goal in context	A patient views their profile, including the life expectancy
Preconditions	1. The user must have completed registration 2. The user must be logged into the system
Successful End Conditions	The patient views their details from the system
Failed End Condition	The patient does not view their details from the system
Primary Actors	Patient
Secondary Actors	None
Trigger	The patient asks the system to view their details
Main Flow	1. The patient asks the system to view their details 2. The system displays the details of the patient
Extensions	2.1 The user has not completed registration in the system 2.2 The details are not displayed to the user

Use Case Description: Edit Profile

Use Case name	Register Patient
Related Requirements	Req5
Goal in context	The patient can edit their information

Preconditions	1. The patient must have completed registration 2. The patient must be logged in
Successful End Conditions	The patient updates their health data
Failed End Condition	The patient is unable to edit their health data
Primary Actors	Patient
Secondary Actors	None
Trigger	The patient asks the system to edit their health info
Main Flow	1. The patient asks the system to edit their health information 2. The patient edits their information 3. The edited information is validated 4. The patient details are updated and saved
Extensions	3.1 The updated patient information is invalid 3.2 The patient information is not updated

Use Case Description: View Lifespan

Use Case name	Register Patient
Related Requirements	Req6
Goal in context	The patient views their lifespan
Preconditions	1. The patient must have completed registration 2. The patient must be logged in
Successful End Conditions	The patient views their lifespan as calculated by the system
Failed End Condition	The patient does not view their lifespan
Primary Actors	Patient
Secondary Actors	None
Trigger	The patient asks to view their details
Main Flow	1. The patient asks to view their details 2. The system uses the patient registration data to estimate the lifespan 3. The patient lifespan is displayed to the user
Extensions	None