

Use Case ID:	001		
Use Case Name:	Login		
Created By:	Vidur Sharma	Last Updated By:	Vidur Sharma
Date Created:	12/9/18	Date Last Updated:	---

Actor:	<ol style="list-style-type: none"> 1. Administrator 2. Caretaker 3. Patient
Description:	User must login a patient for accessing the application.
Preconditions:	1. User must have a existing account.
Postconditions:	A pop-up dialog will prompt indicating that the patient has been logged in successfully.
Priority:	High
Frequency of Use:	When there is a patient wanting to login into the application
Flow of Events:	<ol style="list-style-type: none"> 1. User enter patient's details. 2. Application prompt "Successful Login".
Alternative Flows:	AF-S2 <ol style="list-style-type: none"> 1. User enters invalid patient's details. 2. Application prompt "Unsuccessful Login".
Exceptions:	Mandatory Field Incomplete Application highlights incomplete field(s) and prompt user for a input.
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	002		
Use Case Name:	Register Caretaker		
Created By:	Chen Guanyu	Last Updated By:	---
Date Created:	12/9/2018	Date Last Updated:	---

Actor:	1. Administrator
Description:	Administrator must register caretaker before the caretaker is able to log in.
Preconditions:	<ol style="list-style-type: none"> 1. Administrator has an existing account. 2. Administrator has logged in successfully.
Postconditions:	A pop-up dialog will prompt indicating that the caretaker has been registered successfully.
Priority:	High
Frequency of Use:	When there is a new caretaker that needs to be added in to the application.
Flow of Events:	<ol style="list-style-type: none"> 1. Administrator selects "Add New Caretaker" function. 2. Administrator enters caretaker's details. 3. Application prompts "Successful Registration".
Alternative Flows:	<p>AF-S2</p> <ol style="list-style-type: none"> 1. Administrator enters invalid caretaker's details. 2. Application prompts "Unsuccessful Registration". <p>AF-S2</p> <ol style="list-style-type: none"> 1. Administrator enters a duplicate entry of a registered caretaker's details. 2. Application prompts "Unsuccessful Registration: Caretaker is already registered".
Exceptions:	Mandatory Field Incomplete Application highlights incomplete field(s) and prompts user for an input.
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	003		
Use Case Name:	Activate Caretaker		
Created By:	Chen Guanyu	Last Updated By:	---
Date Created:	12/9/2018	Date Last Updated:	---

Actor:	1. Administrator
Description:	Administrator must activate caretaker before the caretaker can register patient, modify patient details and view all history.
Preconditions:	1. This use case extends Register Caretaker.
Postconditions:	A pop-up dialog will prompt indicating that the caretaker has been activated successfully.
Priority:	High
Frequency of Use:	When a registered caretaker is assigned to a patient.
Flow of Events:	<ol style="list-style-type: none"> 1. Administrator selects "Activate Caretaker" function. 2. Administrator enters caretaker's details. 3. Application prompts "Successful Activation".
Alternative Flows:	AF-S2 <ol style="list-style-type: none"> 1. Application unable to find the particular caretaker.
Exceptions:	Mandatory Field Incomplete Application highlights incomplete field(s) and prompts user for an input.
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	004		
Use Case Name:	Deactivate Caretaker		
Created By:	Chen Guanyu	Last Updated By:	---
Date Created:	12/9/2018	Date Last Updated:	---

Actor:	1. Administrator
Description:	Administrator must deactivate caretaker if the caretaker is no longer taking care of patients.
Preconditions:	<ol style="list-style-type: none"> 1. Administrator must have an existing account. 2. Caretaker must be registered. 3. Caretaker must be activated. 4. Administrator has logged in successfully.
Postconditions:	A pop-up dialog will prompt indicating that the caretaker has been deactivated successfully.
Priority:	High
Frequency of Use:	When a caretaker is no longer taking care of patients.
Flow of Events:	<ol style="list-style-type: none"> 1. Administrator selects "Deactivate Caretaker" function. 2. Administrator enters caretaker's details. 3. Application prompts "Successful Deactivation".
Alternative Flows:	AF-S2 <ol style="list-style-type: none"> 2. Application unable to find the particular caretaker.
Exceptions:	Mandatory Field Incomplete Application highlights incomplete field(s) and prompts user for an input.
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	005		
Use Case Name:	Register Patient		
Created By:	Yong Chen Feng	Last Updated By:	
Date Created:	11/9/2018	Date Last Updated:	---

Actor:	1. Caretaker
Description:	Caretaker must register a patient before the patient is able to use the application.
Preconditions:	2. Caretaker have a existing account. 3. Caretaker have logged in successfully.
Postconditions:	A pop-up dialog will prompt indicating that the patient have been registered successfully.
Priority:	High
Frequency of Use:	25% of total function usage
Flow of Events:	1. Caretaker select “Add New Patient” function. 2. Caretaker enter patient’s details. 3. Application prompt “Successful Registration”.
Alternative Flows:	AF-S2 1. Caretaker enter invalid patient’s details. 2. Application prompt “Unsuccessful Registration”. AF-S2 1. Administrator enters a duplicate entry of a registered patient’s details. 2. Application prompts “Unsuccessful Registration: Patient is already registered”.
Exceptions:	Mandatory Field Incomplete Application highlights incomplete field(s) and prompt user for a input.
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	006		
Use Case Name:	Modify Patient Details		
Created By:	Yong Chen Feng	Last Updated By:	
Date Created:	11/9/2018	Date Last Updated:	---

Actor:	1. Caretaker
Description:	Caretaker must make changes to existing patient's detail if there is any updates to the patient's particulars.
Preconditions:	<ol style="list-style-type: none"> 1. Caretaker have a existing account. 2. Caretaker have logged in successfully. 3. There is existing information on the patient.
Postconditions:	A pop-up dialog will prompt indicating that the patient details have been successfully updated.
Priority:	High
Frequency of Use:	25% of total function usage
Flow of Events:	<ol style="list-style-type: none"> 1. Caretaker select "Edit Existing Patient" 2. Caretaker search and select the existing patient 3. Caretaker make the necessary changes to the particulars 4. Application prompt "Changes updated successfully".
Alternative Flows:	<p>AF-S2</p> <ol style="list-style-type: none"> 1. Application unable to find the particular person. <p>AF-S3</p> <ol style="list-style-type: none"> 1. Caretaker make the necessary changes to the particulars with invalid input. 2. Application prompt "Unable to update due to invalid input".
Exceptions:	<p>Mandatory Field Incomplete</p> <p>Application highlights incomplete field(s) and prompt user for a input.</p>
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	

Use Case ID:	007		
Use Case Name:	View All History		
Created By:	Genevieve Lam	Last Updated By:	12/9/18
Date Created:	12/9/18	Date Last Updated:	---

Actor:	1. Caretaker
Description:	Caretaker will access all data of their patients to perform analysis
Preconditions:	<ol style="list-style-type: none"> 1. Caretaker have an existing account. 2. Caretaker have logged in successfully.
Postconditions:	<ol style="list-style-type: none"> 1. History of selected patients caretaker is eligible for. OR <ol style="list-style-type: none"> 2. Unable to access to due the admin access will be shown
Priority:	High
Frequency of Use:	25% of total function usage
Flow of Events:	<ol style="list-style-type: none"> 1. If the patient history is not empty, system retrieves and displays the patient history. 2. If caretaker doesn't have access right displays no admin rights
Alternative Flows:	AF-S1: If the patient history is empty <ol style="list-style-type: none"> 1. The system displays the message "Patient's history is empty."
Exceptions:	
Includes:	
Special Requirements:	
Assumptions:	
Notes and Issues:	

Use Case ID:	008		
Use Case Name:	View Patient History		
Created By:	Heng Zhi Guang	Last Updated By:	12/9/2018
Date Created:	12/9/2018	Date Last Updated:	---

Actor:	Patient
Description:	The patient
Preconditions:	<ol style="list-style-type: none"> 3. Patient have a existing account. 4. Patient have logged in successfully.
Postconditions:	<ol style="list-style-type: none"> 1. System display the patient history OR <ol style="list-style-type: none"> 2. Patient receives an explanation from the system why viewing patient history has failed
Priority:	High
Frequency of Use:	25% of total function usage
Flow of Events:	<ol style="list-style-type: none"> 3. If the patient history is not empty, system retrieve and displays the patient history.
Alternative Flows:	AF-S1: If the patient history is empty <ol style="list-style-type: none"> 2. The system displays the message "Patient's history is empty."
Exceptions:	-
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	009		
Use Case Name:	Play Game		
Created By:	Heng Zhi Guang	Last Updated By:	12/9/2018
Date Created:	12/9/2018	Date Last Updated:	---

Actor:	Patient
Description:	The patient will exercise their facial recognition skills to slow down and control symptoms of dementia.
Preconditions:	<ol style="list-style-type: none"> 1. Patient have a existing account. 2. Patient have logged in successfully.
Postconditions:	<ol style="list-style-type: none"> 1. System displays the results of the facial recognition game. OR <ol style="list-style-type: none"> 2. Patient receives an explanation from the system why the game cannot play..
Priority:	High
Frequency of Use:	80% of total function usage
Flow of Events:	<ol style="list-style-type: none"> 1. If database is not empty, system retrieve and randomize a set of facial images and their corresponding name. 2. System displays the set of facial images. 3. System prompt patient to select the facial image of a randomize name. 4. Patient select the facial image. 5. If the selected facial image match the name, system displays the message "Success!" 6. If all the names in the set has been prompt, system displays the score and the total time taken.
Alternative Flows:	AF-S1: If database is empty <ol style="list-style-type: none"> 1. The system displays the message "Facial images is currently not available." AF-S5: If the selected facial image does not match the name <ol style="list-style-type: none"> 1. The system displays the message "Try harder next time!" AF-S6: If all the names in the set has not been prompt <ol style="list-style-type: none"> 1. The system returns to step 3
Exceptions:	-
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-