Life in Donation

CCSW-315

Software Process Models

2023 3ed semester

Academic Year: Spring 2023

Group 4

Project Title:	Life in Donation	
Submission Date:	3/6/2023	
Team Members:	1. Jana Hani Sandeyouni	ID: 2112204
	2. Arwa Omer Sait	ID: 2111782
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Section:	B7	

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Project Initiation

Project Name:

Life in Donation

Project Members:

- Jana Hani Sandeyouni
- Arwa Omar Sait
- Shehana Anees Alamri
- Razan Abdulsalam Alzahrani

Project Description:

The application provides services for people in need of donations in medical supplies without financial costs, as they are donated by donors who will donate through the application. The needy can also request the medical supplies they need and are provided by donors if they are not available. And our app serves both parties.

Problem Definition:

The difficulty of donating these days to donors lies in the lack of a platform to make sure that their donation goes to people with special needs directly and without profits, and because of the difficulty of actually donating by going to public bodies for donations and hospitals. On the part of people with special needs or their sponsors, they have difficulty finding their desired need and face the difficulty of finding a donor for their need.

Proposed solution:

create a charitable application without profits that aspires to help the needy and donors so that donations are facilitated by donors where he can provide something to donate or meet a need in need, as well as facilitate it for people with special needs or their sponsors so that it is a platform for asylum when donation is needed.

The Scope:

We have many goals for our project, including increasing people's awareness of the importance of donating in our society and the value of donation, also to help the needy group of people with medical devices that help them during their lives, our target group will be all people who want to donate their medical devices and also those in need of medical devices.

Targeted Users:

Donors and people with special needs.

Prioritized Functional and non-functional requirements:

Functional :

1F- The donor can add a medical device with a photo and description attached.

2F- The system shall allow a person in need to view the list of available medical devices.

3F- The system shall allow a person in need to place an order through the application.

4F- The system shall display a list of most needed devices

5F- The system shall allow a person in need to add specific needs.

6F- The person in need must be able to search for a product in the list of available medical devices.

7F- The user must be able to locate his location and provide information about it.

8F- The system shall display device information.

9F- The person in need can be able to attach a picture of the medical device.

10F- The person in need must be able to attach a file of their health status.

11F- The system shall be able to provide information on how to use the application.

12F- The user must be able to log into the system using their username and password.

non-Functional:

1NF- The system must enable the user to add more than medical devices to donate without suspending the system.

2NF- The system must be easy to use, it becomes easy to remember after two uses.

3NF- The system shall reflect a new device description within 3 minutes of the database being updated by the product owner.

4NF- The system shall be completely operational at least 95% of the time.

5NF- The system should be able to support 500 simultaneous users.

6NF- The number of pages navigated to access product information from the top page should not exceed 4.

7NF- The system must be secure from unauthorized access.

8NF- The system must be secured. not share customer information.

Story Backlog:

Component Name: add medical device

Story Name: adding medical device to donate.

Story Sequence No: 001

Story Short Description: donor can add a medical device to be donated.

Story Long Description: The donor can add a medical device with a photo and description attached.

Component Name: view the list of available medical device.

Story Name: list of available medical devices.

Story Sequence No: 002

Story Short Description: The person in need can view a list of available medical devices.

Story Long Description: The system shall allow a person in need to view the list of available medical devices.

Component Name: Order a medical device.

Story Name: Order a medical device.

Story Sequence No: 003

Story Short Description: The person in need can order a medical device.

Story Long Description: The system shall allow a person in need to place an order through the application.

Component Name: display a list of needed device.

Story Name: list of needed device.

Story Sequence No: 004

Story Short Description: donor can see a list of needed devices.

Story Long Description: system shall display a list of needed devices including number of need, photo of device, and short description.

Component Name: add specific need.

Story Name: add specific needs.

Story Sequence No: 005

Story Short Description: allow a person in need to add specific needs.

Story Long Description: The system shall allow a person in need to add specific needs. with the name, description and photo of the device . Then attaching anything that proves health status, the phone number for communication, and the location to deliver the order.

Component Name: search for a product.

Story Name: search for a product

Story Sequence No: 006

Story Short Description: Person in need can search for a product in the list of available medical devices.

Story Long Description: The person in need must be able to search for a product in the list of available medical devices. -

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Component Name: determine location.

Story Name: providing location address

Story Sequence No: 007

Story Short Description: requires the user to attach his location and write information about the site.

Story Long Description: The system must ask the user to provide/attach their map location with information such as the house color, house number, city name and street name so we can take the medical device from the donor and deliver it to the person in need. -

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Component Name: device information.

Story Name: display device information.

Story Sequence No: 008

Story Short Description: The system shall display medical device information to be able to know the quality of the device and if it is safe to use.

Story Long Description: The system shall display device information. the information includes a photo and description of the advantages and disadvantages of the device.

Component Name: attach a picture of the medical device.

Story Name: attach a picture of the medical device.

Story Sequence No: 009

Story Short Description: The person in need can attach a photo to the device he wants, and this is optional

Story Long Description: The person in need can be able to attach a picture of the medical device.

Component Name: attach health status file.

Story Name: attach a file of the health status for a person in need.

Story Sequence No: 010

Story Short Description: The person in need have to attach/upload a file that proves their health status.

Story Long Description: The person in need must be able to attach/upload a file that proves that he needs some medical devices for some health status issues so it gives him the permission to order medical devices.

Component Name: application use.

Story Name: display information helps use applications.

Story Sequence No: 011

Story Short Description: The system provide information for users to help them using the application.

Story Long Description: The system provide information that user can check on it if they on the system or if they forgot how to use the system so it can be as a guideline.

Component Name: log in.

Story Name: log in into the system..

Story Sequence No: 012

Story Short Description: The system must ask users to sign in into the system so can use the services of the system.

Story Long Description: The system asks users to enter their username and password to log in, and if the data is wrong they won't be log in into the system. and if they don't have an account they have to sign up as a new user.

Prioritize stories and define sprints:

Sprint #1:

1. Donor
    1.1. Add a medical device, 001
2. People with special needs
    2.1. List of available medical device, 002

Sprint #2:

1. Donor
    1.1. List of needed device, 004
2. People with special needs
    2.1. Add specific need, 005

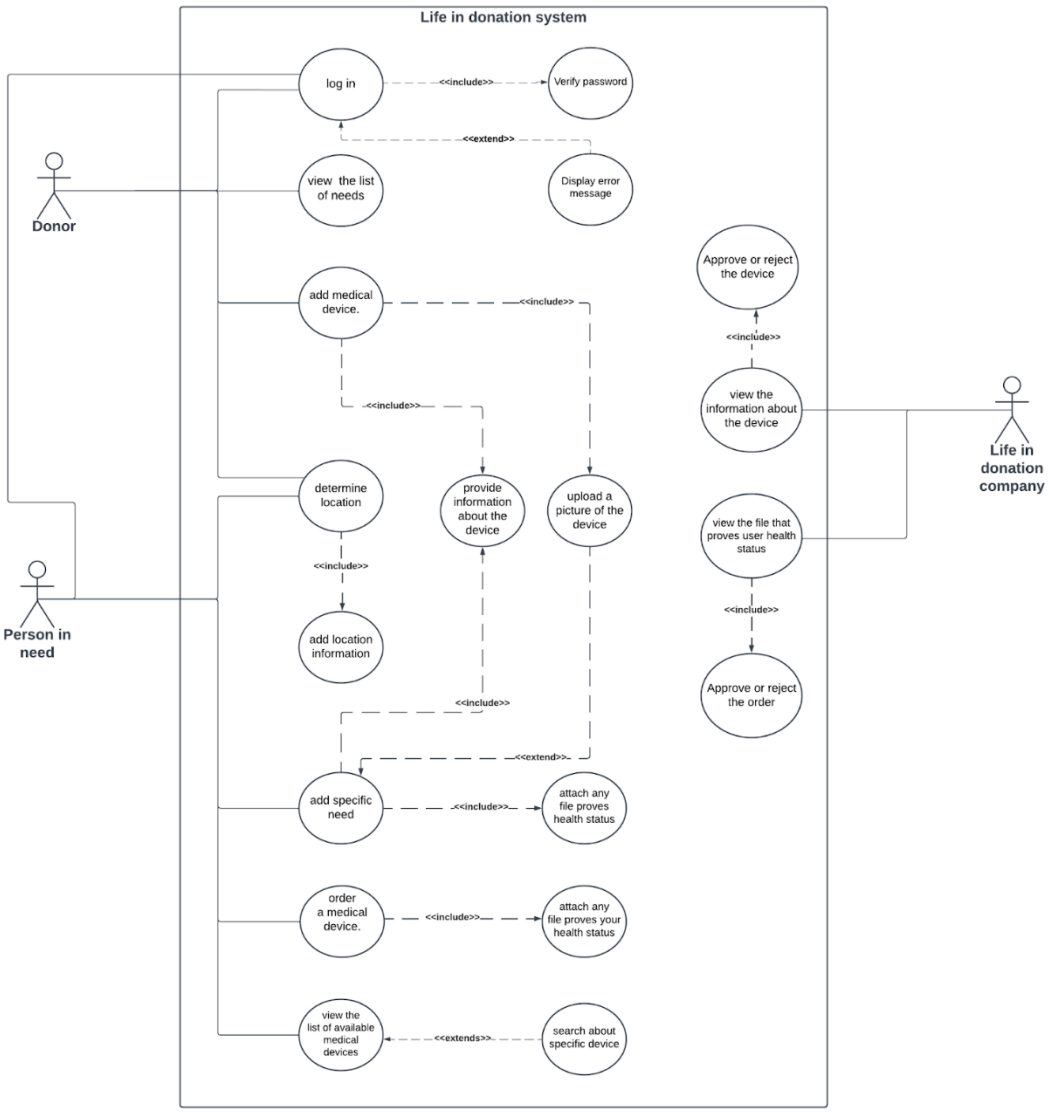
Sprint #3:

1. People with special needs
    1.1. Search for a product, 006

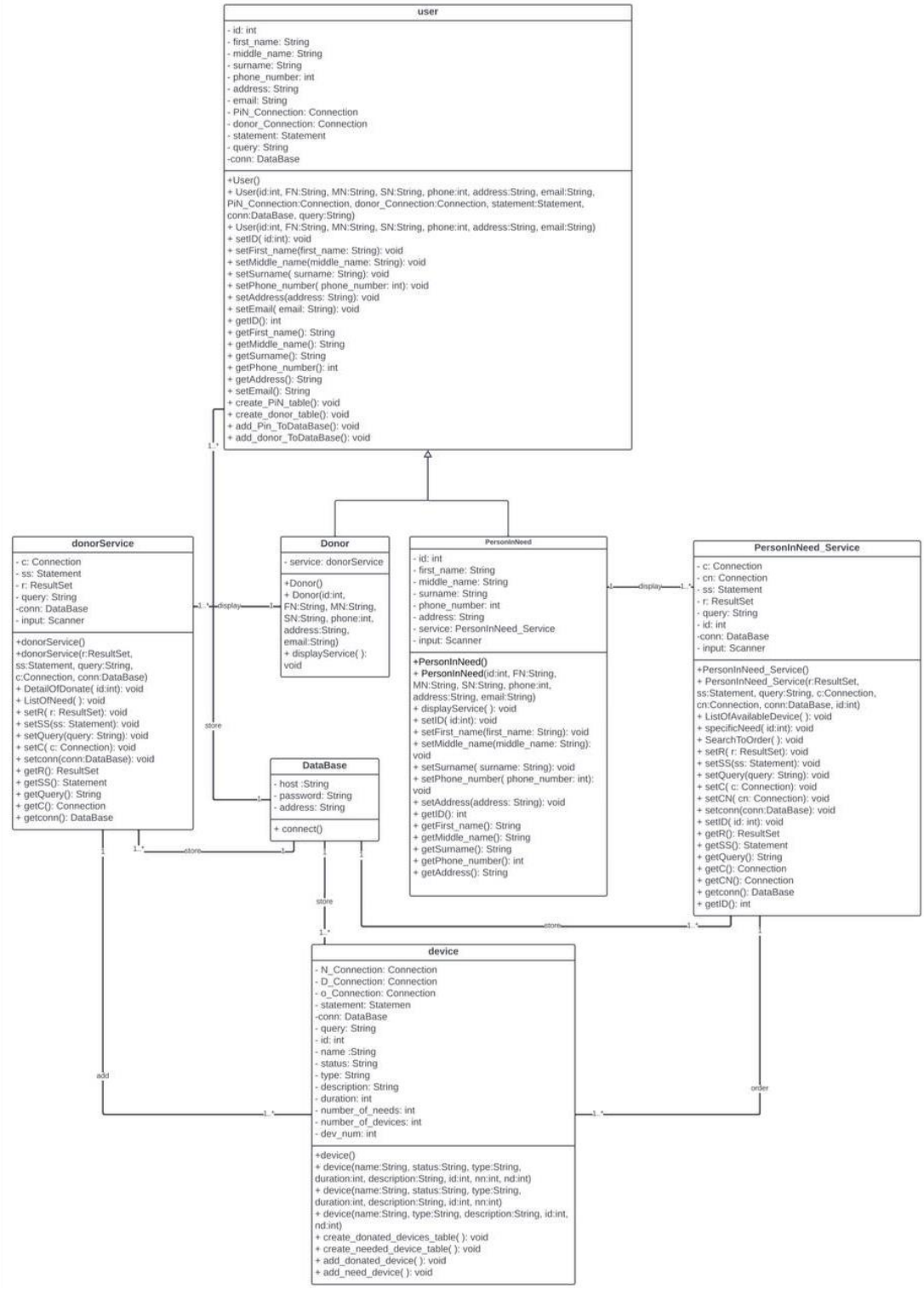
Sprint #4:

1. People with special needs
    1.1. Order a medical device, 003
2. Donor and People with special needs
    2.1. Determine location,007
    2.2. Device information,008
    2.3. Attach a picture of the medical device, 009
    2.4. Attach health status file, 010
    2.5. Application use pages, 011
    2.6. Log in into the system, 012

Use Case Diagram :



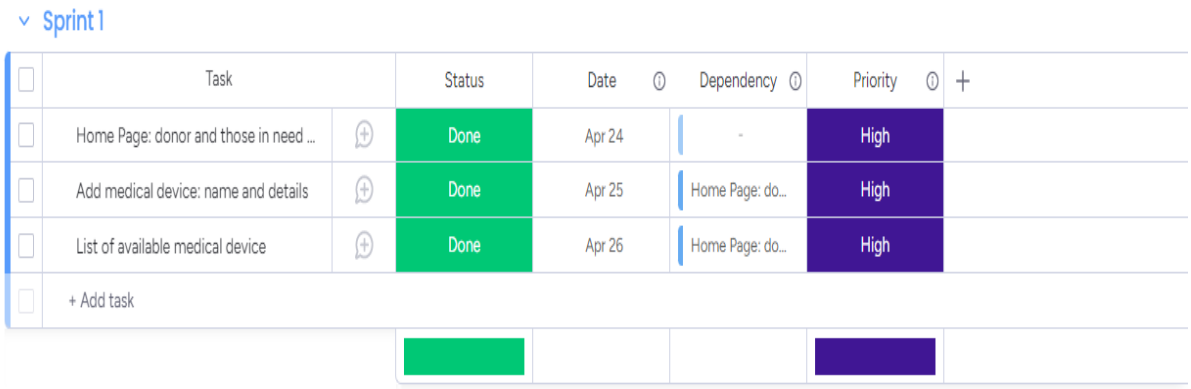
Class Diagram:

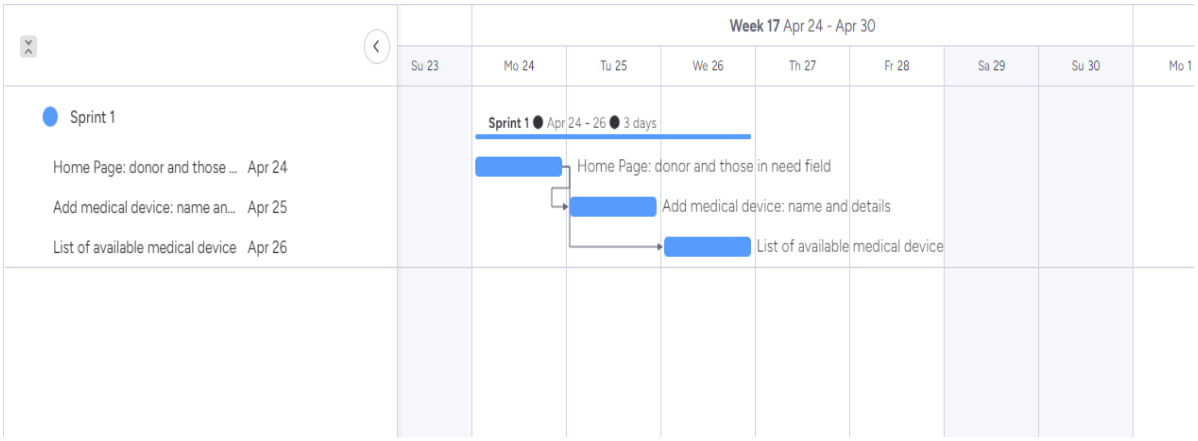


Sprint 1

1. Sprint backlog:

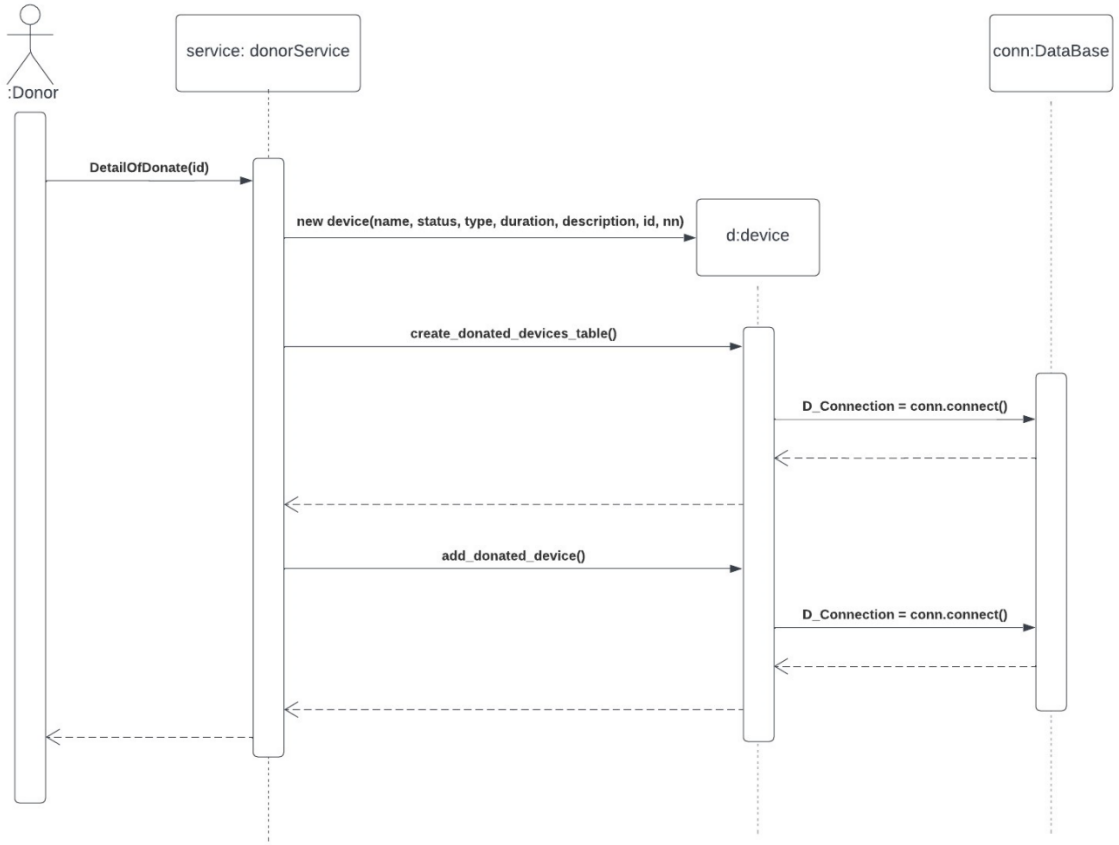
- **001**: Add medical devices.
- **002**: List of available medical devices.



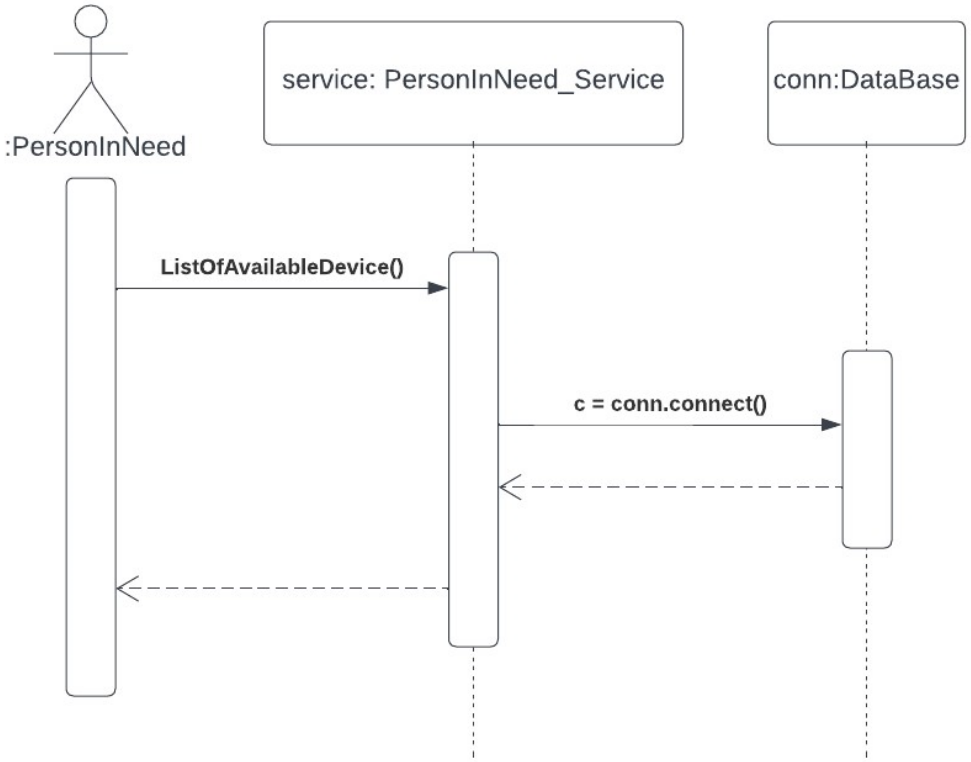


2. Analysis and design:

1. Add medical device.



2. List of available medical device.



3. Implementation:

https://github.com/arwaomars/donation.git

Sprint Test Cases (s)

Sprint#*1* Test Cases - [4/5/2023]

Test Case Name: [Sprint 1 – Add medical device,001]

Test Case Id: [Life In Donation– Add medical device,001]

Test Case No.	Test Case Description	Expected Results	Outcome (Pass / Fail / Other (Comments))
TC001	The donor can successfully add one or more medical devices.	Should be displayed a “success” message.	**Pass**
TC002	User leaves some fields blank on detail of the device and taps add.	Should be displayed a message: “Please enter all details.”.	**Fail**
TC003	The donor can add details of devices that will donate it successfully.	Displayed a “success” message after adding details.	**Pass**
TC004	The user enters an invalid data type.	Should be displayed a message: “wrong input Please try again.”.	**Fail**
TC005	The user enters an invalid data but with the correct data type .	Should be displayed a message: “wrong input Please try again.”.	**Pass**

Test Case Name: [Sprint 1 – List of available medical device,002]

Test Case Id: [Life In Donation– List of available medical device,002]

Test Case No.	Test Case Description	Expected Results	Outcome (Pass / Fail / Other (Comments))
TC001	Those in need can successfully use the "list of available medical devices" service.	User should be displayed with list of available medical devices.	**Pass**
TC002	Those in need enter invalid number choice in the menu. .	User should be displayed with "!! wrong input !!" and menu choices again	**Pass**
TC003	The user enters an invalid data type.	should be displayed with " wrong input Please try again."	**Fail**
TC004	user leaves some fields blank on detail of device and taps add.	System waits the user to type and do not make blank in consider.	**Pass**
		Should be displayed a message: "Please enter all details.".	**Fail**

Sprint Meeting(s)

Project Name: [Life In Donation]

Project Members: [Jana Sandeyouni. - Arwa Sait - Shehana Alamri- Razan Alzahrani]

Sprint #*1* Stand up Meeting - [4/5/2023]

Sprint Duration: 2 weeks.

Scrum Master: Jana Hani Sandeyouni

Product Owner: Razan Abdulsalam Alzahrani

Client: Muna Mohamad Altherwi.

Pair Programmers: Arwa Omar Sait - Shehana Aness Alamri.

Stories:

Component Name	Story Sequence Number	Use Cases (e.g., functionalities)
add medical device	001	donor can add a medical device to be donated.
List of available medical device	002	The person in need can view a list of available medical devices.

Follow-up meeting questions:

1. What has been completed since the last meeting?
   Arwa: I completed the add medical device functionality.
   Shehana: I finished the List of available medical device and preparing for next sprint.

2. What are you going to be working on next?
   Arwa: I will start with the Add specific need functionality since it is close to pervious one.
   Shehana: I am going to do the List of needed device for the same reason to finsh in time.

3. Do you have any issues/impediments?
   Arwa: No, it was all great in my side.
   Shehana: I did not used to work with files but I am doing my best.

Scrum's Master comments based on the above questions:

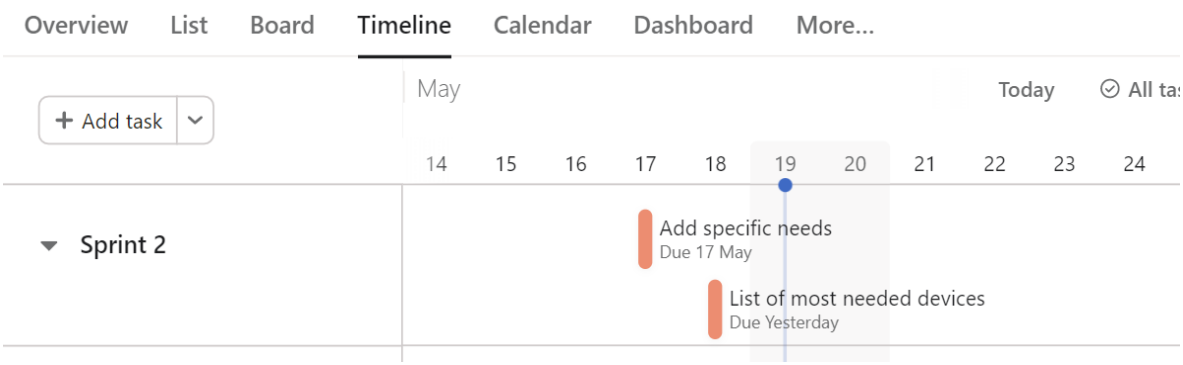
Great progress so far, team. Shehana, let's schedule some time to work more in files implementation together and see if we can overcome the issue. Keep up the good work, everyone!

Sprint 2

1. Sprint backlog:

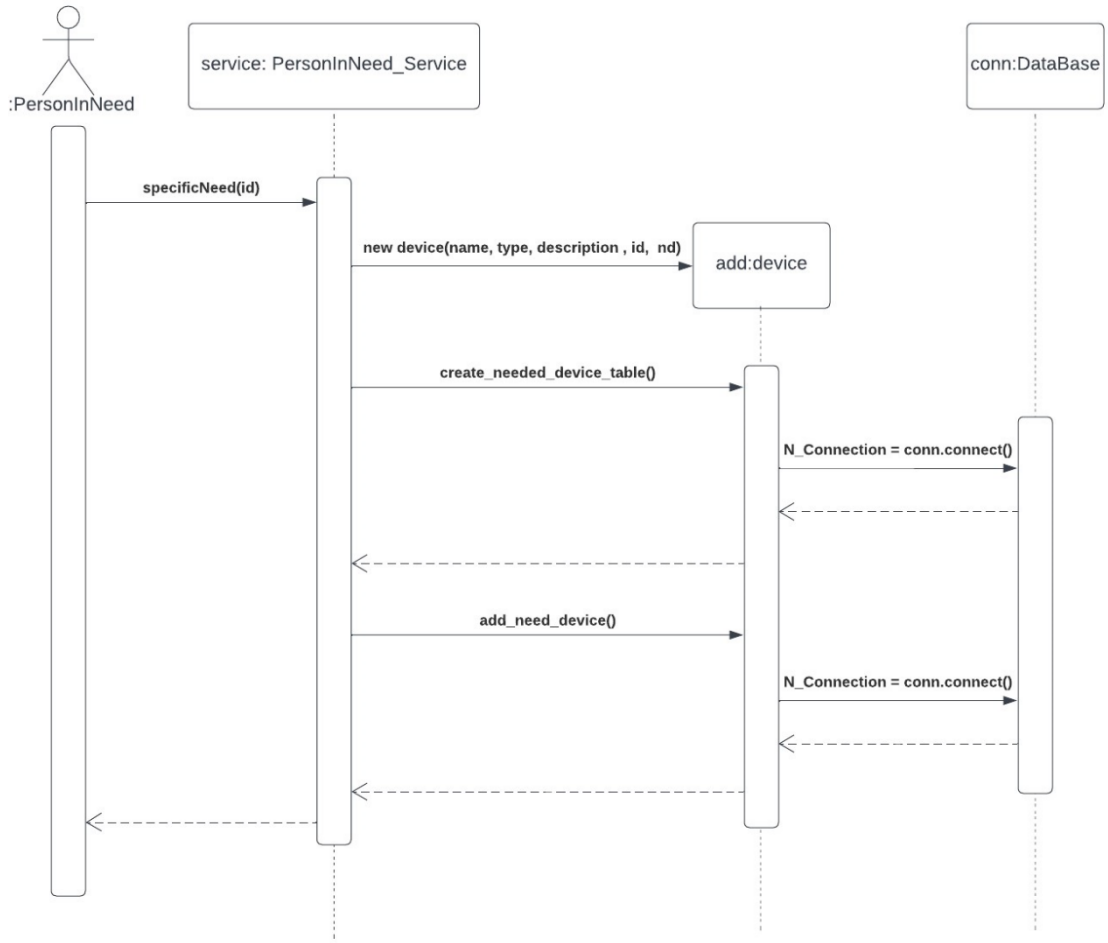
- **005**: Add specific need.
- **004**: List of needed device.

Task name	Due date	Priority	Task Progress	Dependency
Sprint 2				
Add specific needs	17 May	Medium	Done	Non
List of most needed devices	Yesterday	Medium	Done	Add specific needs

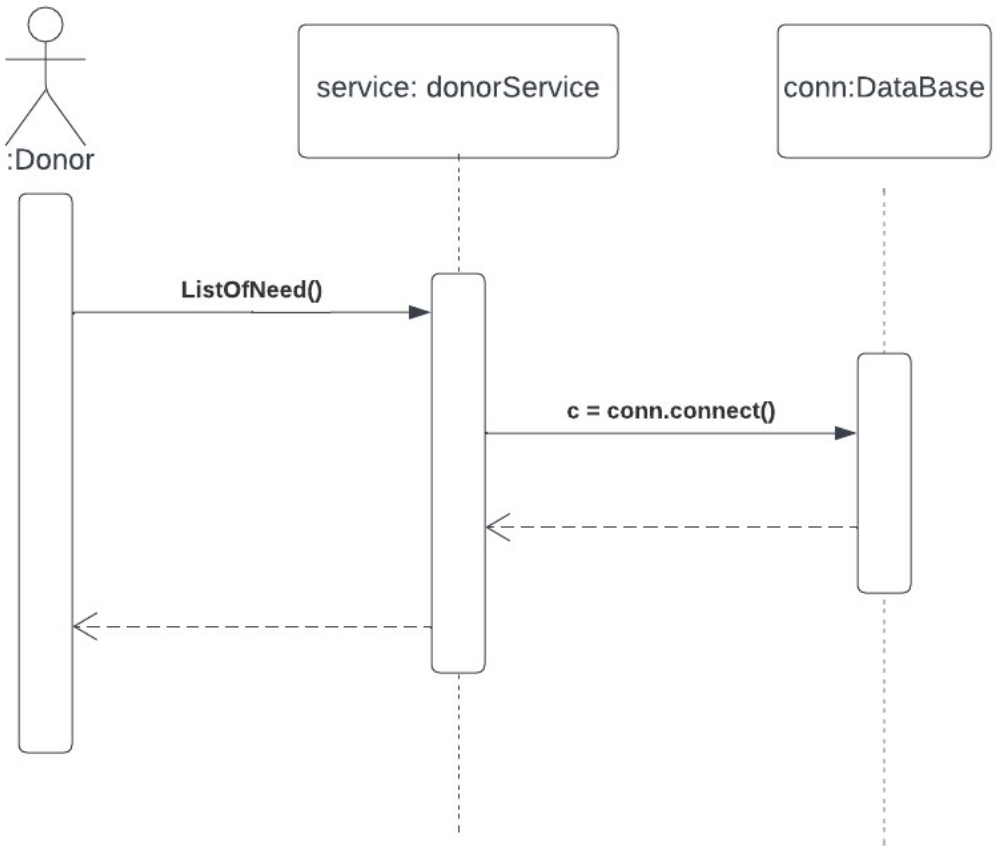


2. Analysis and design:

1. add specific need.



2. list of needed device.



3. Implementation:

https://github.com/arwaomars/donation.git

Sprint Test Cases (s)

Sprint#*2* Test Cases - [19/5/2023]

Test Case Name: [Sprint 2 – Add specific need,005]

Test Case Id: [Life In Donation– Add specific need,005]

Test Case No.	Test Case Description	Expected Results	Outcome (Pass / Fail / Other (Comments))
TC001	Users can successfully add what they need.	Should be displayed a “Your specific need successfully added” message.	Pass
TC002	Users enter invalid data types.	Should be displayed a "!!wrong input!!” with explain the valid data type	Pass
TC003	user entering invalid information in phone number or National Identity number.	Should be displayed a reject massage	Pass

Test Case Name: [Sprint 2 – list of needed device,004]

Test Case Id: [Life In Donation– list of needed device,004]

Test Case No.	Test Case Description	Expected Results	Outcome (Pass / Fail / Other (Comments))
TC001	donor can see all device ordered with detail of device and who's wanted	list of needed device displayed	Pass
TC002	save information of those in need secure	don't display the national Identity and phone number with list of need device	Fail
TC003	device information displayed in sorted manner	separate each requested from each other	Pass

Sprint Meeting(s)

Project Name: [Life In Donation]

Project Members: [Jana Sandeyouni. - Arwa Sait - Shehana Alamri- Razan Alzahrani]

Sprint #*1* Stand up Meeting - [19/5/2023]

Sprint Duration: 2 weeks.

Scrum Master: Jana Hani Sandeyouni

Product Owner: Razan Abdulsalam Alzahrani

Client: Muna Mohamad Altherwi.

Pair Programmers: Arwa Omar Sait - Shehana Aness Alamri.

Stories:

Component Name	Story Sequence Number	Use Cases (e.g., functionalities)
Add specific need	005	allow a person in need to add specific needs.
list of needed device	004	Donor can see a list of needed devices

Follow-up meeting questions: [SCRUM MASTER NAME or CLIENT NAME should ask the following questions to the pair programmers**]:**

1. What has been completed since the last meeting?
   Arwa: I completed the add specific need functionality.
   Shehana: I finished the List of needed medical device.

2. What are you going to be working on next?
   Arwa: I will try out to do more enhance database and review the code.
   Shehana: I am going to do Search for a product.

3. Do you have any issues/impediments?
   Arwa: No, it was all great in my side and success but I just notice the whole code need review.
   Shehana: No, it is more interesting this time but I may need enhance my section code .

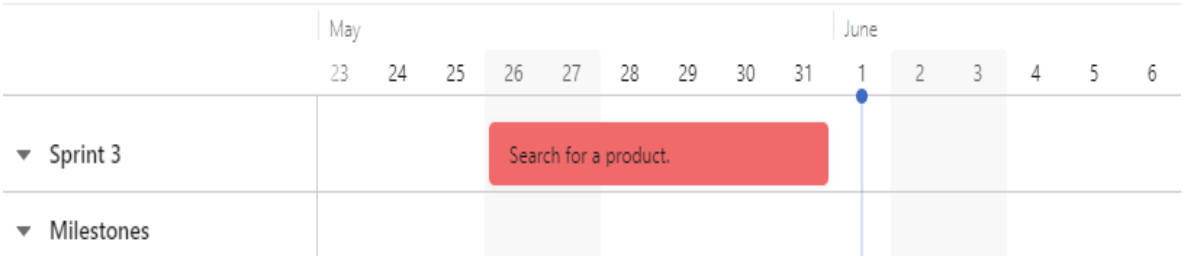
Scrum's Master comments based on the above questions:
Good job everyone I feel like our project will success in time in this way keep going and please practice more on the weakness of your skills and do not be shy to tell!

Sprint 3

1. Sprint backlog:

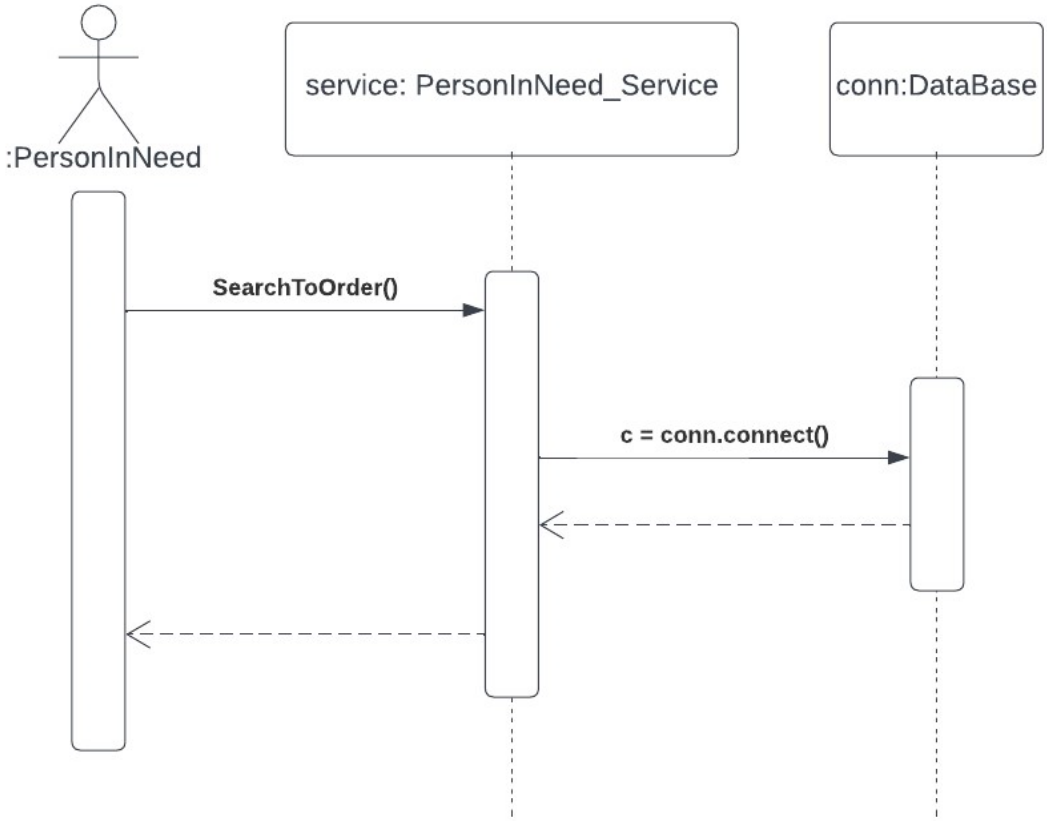
❖ **006**: Search for a product.

Task name	Due date	Priority	Task Progress	Dependency
▼ Sprint 3				
✓ Search for a product.	26 – 31 May	High	Done	Non



2. Analysis and design:

1. Search for a product.



3. Implementation

https://github.com/arwaomars/donation/releases/tag/v3.1.1

Sprint Test Cases (s)

Sprint#*3* Test Cases - [1/6/2023]

Test Case Name: [Sprint 3 – Search for a product,006]

Test Case Id: [Life In Donation– Search for a product,006]

Test Case No.	Test Case Description	Expected Results	Outcome (Pass / Fail / Other (Comments))
TC001	The person in need can search of product to order by write device name	list of devices with the same name he wrote displayed successfully.	Pass
TC002	The person in need searches for unavailable devices.	Should be displayed a “Product not found”.	Fail
TC003	device information displayed in sorted manner	separate each request from each other.	Pass

Sprint Meeting(s)

Project Name: [Life In Donation]

Project Members: [Jana Sandeyouni. - Arwa Sait - Shehana Alamri- Razan Alzahrani]

Sprint #*3* Stand up Meeting - [1/6/2023]

Sprint Duration: 2 weeks.

Scrum Master: Jana Hani Sandeyouni

Product Owner: Razan Abdulsalam Alzahrani

Client: Muna Mohamad Altherwi.

Pair Programmers: Arwa Omar Sait - Shehana Aness Alamri.

Stories: **[**List all stories for that sprint below**]**

Component Name	Story Sequence Number	Use Cases (e.g., functionalities)
Search for a product	006	Person in need can search for a product in the list of available medical devices.

Follow-up meeting questions: **[**SCRUM MASTER NAME or CLIENT NAME should ask the following questions to the pair programmers**]:**

1. What has been completed since the last meeting?
   Arwa: I Have review the code to detect error early.
   Shehana: I finished the Search for a product.

2. What are you going to be working on next?
   Arwa: I want to try do Json fail it may serve better if I could .
   Shehana: I am going to do Order a medical device if the time serve.

3. Do you have any issues/impediments?
   Arwa: no, it is all great but may need enhancement later.
   Shehana: No, everything just right but I will try to use less efficiency next time.

Scrum's Master comments based on the above questions:

I am proud of you all, you are discovering your weakness right! If you need any help I could try find a solution! Try to not review the code a lot so we can achieve more and not be late on time!