

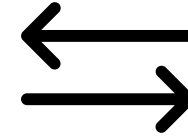
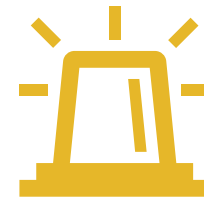
IOT – Enabled Intelligence in Smart Homes

MIND LAB TRANSLATORS UG – T2 2021

Project Overview



1. To monitor and detect critical events within an aged individual's personal home



1. Develop a mobile application to work alongside the Distributed Graphene-based sensor layer prototype which can detect the amount of force which may be applied to it.

App: Smart Care

A MOBILE APPLICATION DEVELOPED WITH THE ELDERLY IN MIND

What is Smart Care

OUR GOAL AND AIM

Pitch Video

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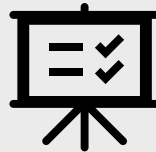
Iteration 0 Deliverables



Contact Project Owner and present deliverables and prepare for iteration to come



Upskilling Documents and Tutorials for Junior Students



Re-Vamp The Trello Board to Make it more understandable to third party stakeholders



Continue Working on the Previous iteration's backlog

Product Backlog - T1 2021

- Alert notifications - Change of Temperature
 - 2 comments, 0/1 tasks
- Filter options for Heatmap
 - 1 comment, 0/2 tasks
 - F
- "Assistance required" - Data to appear Notifications page - Patient
 - 1 comment, 0/3 tasks
 - TN
- Settings Features Implementation
 - 18 comments, 5/6 tasks
 - Critical
 - H, HG, JT
- Back button
 - 5 comments, 10/10 tasks
 - MA, PG

T1 2020 Backlog

Work Assigned to Each team

Design Team



1. Back Button



2. Smart Watch Future Design

Software Team



Heatmap Filter options

(Still in Development)

Hardware Team



Notification button for Swipe button

(Still in Development)

UI/UX Design Team

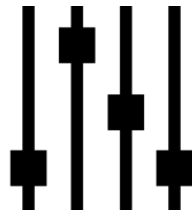


Back buttons
for all pages



Smartwatch
UI planning
for future

Software + Hardware Teams



- ▶ Heatmap Filter options
(Still in Development)



- Notification button for Swipe button
(Still in Development)

Major Set-backs throughout the Iteration

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Re-Vamping the Trello Board to make it more readable to third party Stakeholders

- Academic Mentor found it difficult to read/understand progress on the Project therefore time was set aside to remedy this issue

Miscommunication between previous and current Project Owners

- This in turn made planning out deliverables for future iterations slightly more challenging
- Will most likely be sorted before the panel presentation



White space for scrolling



Calendar change for DOB



Dynamic Smartwatch Layouts



Back- end of smartwatch



Smartwatch – Setting page Design



Smartwatch – Profile page design

Plan for the next iteration

Team Contribution

Team Member	Junior / Senior	Major Contribution	Hours Recorded
Bryan Hew - HD	Senior	<ul style="list-style-type: none">- Planned out tasks to commence in iteration 0 with Seniors- Allocated tasks to each member- Hosting all meetings- Reached out to both the new project owner and the previous project owner to meet and present deliverables- Meeting with Product owner to discuss deliverables- Code testing for team members Inducted Juniors into the Project <ul style="list-style-type: none">- Interviewed specialized people who might be fit to become a junior in the project.- Sorted out the Trello Board	37 Hours
Mahir Abrar - D	Senior	<ul style="list-style-type: none">- Planned tasks in Iteration 0 with Seniors- Completed backlog tasks from last trimester (Implementing back button)- Meeting with project owner to discuss deliverables	18 Hours
Phillip Georgoudakis - D	Senior	<ul style="list-style-type: none">- Implemented back buttons for carer side alongside Mahir- Introduced juniors to the team and unit- Begun planning for Smartwatch UI implementation- Determined introductory tasks for the design Junior (To be allocated this week)	19 Hours
Faiz Qureshi - D	Senior	<ul style="list-style-type: none">- Planned out tasks to commence in iteration 0 with other Seniors- Introduced juniors to the team and unit- begun research and code implementation for filter options for the heatmap page	19 Hours
HUIBIN GAO - C	Senior	<ul style="list-style-type: none">- Planned tasks in iteration 0 with Seniors- Plan to change Text Size, still doing research- Introduced juniors to the team and unit- Discussing with Phillip about junior's task.	19 Hours
Victoria Nguyen - D	Senior	<ul style="list-style-type: none">- Planned out tasks to commence in iteration 0 with Seniors- Meeting with project owner to discuss deliverables- Working on Notification for Swipe button- Introduced juniors to the team and help them with their tasks.	27 Hours

Discussions with D - HD Students

NEXT SLIDES HAVE BEEN CREATED BY THE D AND HD
ACHIEVING STUDENTS THEMSELVES

Phillip Georgoudakis - D

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Mentored Mahir on back button implementation



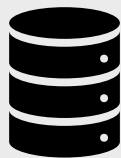
Implemented back buttons for carer side



Introduced Juniors to our team dynamic



Thought out design team plan for future iterations with Huibin



Added data for swipe button in Firebase
(IT skill, Product)



Planned out tasks to commence in
iteration 0 with Seniors (Process,
Teamwork)



Introduced juniors to the team and help
them with their tasks (Teamwork,
Mentoring)

Victoria Nguyen -
D



Thought out tasks with team seniors for Iteration 0 and meeting with product owner for project deliverables



Implemented back button functionality to pages on the patient side



Explained the project to the new juniors and answered questions about their tasks and the unit.

Mahir Abrar- D



Planned out tasks to commence in iteration 0 with other Seniors



Introduced juniors to the team and unit



Begun research and code implementation for filter options for the heatmap page

FAIZ AHMED
QURESHI
- D



Planned out tasks to commence in iteration 0 (Project Management)



Maintaining Bit Bucket (Product, IT Skills)



Conducting Frequent Code Review Sessions for the Squad (Product, IT Skills, Mentoring)



Hosting Bit Bucket Training Session for Juniors (Mentoring, communication)

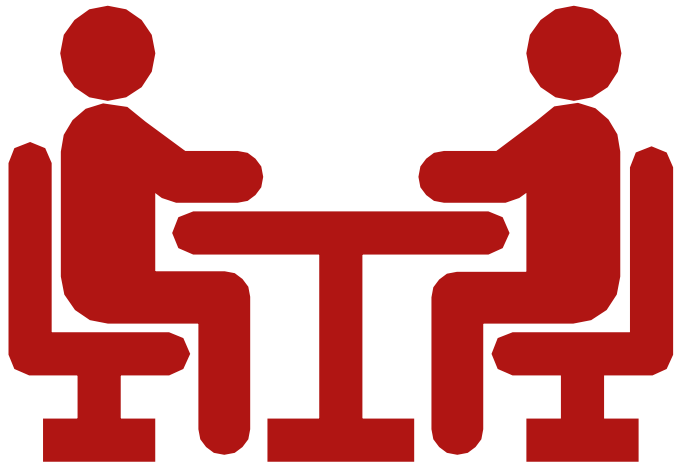


Communication between previous and current Product Owners (Project Management, Communication)



Interviewed potential juniors for the specialised position (Product Management, Engagement)

Bryan Hew - HD



General Discussions