BPM DOCUMENTATION

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OxDEADBEEF

Members are as follows:

- Huseyin Sert (HS)
- Jesse Batt (JB)
- Harrison James Marcks (HJM)
- Dan Steer (DS)

Purpose of document

This document aims to bring all **documentation** created for the BPM under one file.

This document was initially completed for B1 submission. The components that were completed for the B1 submission were as follows:

- Requirements
- Acceptance Tests
- High Level Design

The low level designs were not completed as we had not yet seen enough code or looked thoroughly through the hardware for the Blood Pressure Machine component.

Upon further revision, it was discovered that there were some errors in this document. Huseyin Sert was responsible for going through the entire document and correcting errors and making additions to the document.

Any text which has a line going through it like this was created in B1 submission which was discovered to be incorrect.

Requirements, acceptance tests and high level designs were contributed by all members. In the contents page it can be observed which part was completed by which member.

Low levels designs, on the other hand, were completed by Huseyin Sert.

Requirements

ID	SUMMARY OF REQUIREMENT (I WANT TO)	RATIONALE (SO THAT I CAN)	PRIORITY	SOURCE (was not used in B1 submission)	CREATED

P1	Be able to test the	Verify the board	S	04/10/2018
	memory	will work correctly		
<u>P2</u>	Be able to test the screen	Verify the screen will display correctly	Ş	04/10/2018
P3	Be able to test the CPU (Jump instructions)	Verify the board will work correctly	S	04/10/2018
P4	Be able to test the power	Verify the board will work correctly	S	04/10/2018
P5	Be able to test ROM	Verify the board will work correctly	S	04/10/2018
P6	Be able to perform POST/Power on the device	So the board can actually be used and boot up	S	04/10/2018
P7		So that the buttons can be used	SS	04/10/2018
P8	Check network interface	So that we can wired devices	N	04/10/2018
P9	Check blue tooth module	So that we can connect devices	N	04/10/2018
P10		Perform the tests automatically every time it is started	С	12/11/2018

Blood	d Pressure Machir	ne (Harrison Jan	nes Marcks)	
B1	Measure a user's blood pressure	Take readings and make medical judgements	S	15/10/2018
B2	Send BP readings to screen	View a user's blood pressure	S	15/10/2018
В3	Read data from the readers	So that readings can be gathered	S	17/10/2018
B4	Take average blood pressure	Have better results	С	17/10/2018
B5	Filter out erroneous readings and data	Have more accurate results	S	17/10/2018
В6	Measure blood pressure in real time	Read more relevant ratings	S	17/10/2018

riurric	an Interface (Huse	zym sert)		
H1	Perform a single button click	Interact with the device, select options	S	25/11/2018
1 2	Perform a double button click	Interact with the device, trigger secondary(subtasks) tasks	С	25/11/2018
Н3	Perform a long button click	Interact with the device, trigger secondary(subtasks) tasks	С	25/11/2018
H4	Perform a multi- button click	Interact with the device, trigger secondary(subtasks) tasks		25/11/2018
45	Be able to use sliders	Interact with the device, navigate menu	E	25/11/2018
H 6	View feedback on screen	Ensure that button clicks are registered	I -	25/11/2018
H7	View feedback on LEDs	Ensure that button clicks are registered	С	25/11/2018
18	Enter user information	Have multiple user profiles	H	25/11/2018
19	Change scale of BPM using slider	View more precise readings	€	25/11/2018
H10	Change the scale of the UI using the	l can enlarge the words on screen	H	25/11/2018

Scree	en (Huseyin Sert)			
\$1	Display blood	See blood pressure	.S	25/11/2018
	pressure reading	reading		
<u>\$2</u>	Show other data	The screen real	N	25/11/2018
	being read from	estate is used		
	the device	effectively		
S3	Display blood	Ensure that the	S	25/11/2018
	pressure reading in	ndevice is working		
	real time	properly, Tell		
		patient what is		
		going on with their		
		readings		

\$ 4	Display multiple blood pressure readings	Compare readings	N	25/11/2018
\$ 5	Display Menu	Select different menu option, Perform different tasks	S	25/11/2018
\$6	Display text and data in a clear and readable format	See text and data on the screen clearly	S	25/11/2018
\$7	Display message on boot-up	Indicate that the screen will be working	S	25/11/2018

Menu (Jesse Batt)				
M1	Navigate a menu	Select different options	S	26/11/2018
M2	Select a menu option	My navigation has meaning	M	26/11/2018
M3	Return to Menu	l can select something else	M	26/11/2018
M4	Select the BPM Activity from the menu	I can take a reading	S	26/11/2018
M 5	Select User Profiles from the menu	l can configure user profiles	N	26/11/2018
M6	Reboot the board	I can perform more controlled maintenance and fixing	S	26/11/2018
M7	Navigate to Options Menu	l can edit options	N	26/11/2018

Datab	pase (Jesse Batt)			
DB1	Load data from a database	Store a data for querying	S	26/11/2018
DB2	Commit data to a database	Data can later be queried	S	26/11/2018
DB3	Store user data in database	Multiple users can be stored	S	26/11/2018
DB4	Load user data from the database	Different user data can be loaded	S	26/11/2018
DB5	Keep track of previous readings	Keep a record of previous readings	S	26/11/2018

DB6	Communicate with	So that the above	S	
	device and web	can all operate		
	арр			

WA1	Application (Dan Pages loads in		S	25/10/2019
WAI	reasonable time	To create a good user experience	3	25/10/2018
WA2	Cross-browser compatible	The web app can be used on multiple platforms	S	25/10/2018
WA3	Web application follows best practices	Ensure best web application performance	S	25/10/2018
WA4	Sensitive information is not stored in source files	Good security practice	S	25/10/2018
WA5	Responsive design is applied	Ensures good usability	С	25/10/2018
WA6	Navigation is functional and intuitive	Ensures good usability	S	25/10/2018
WA7	Prevent against SQL injection e.g. prepared statements	Good security practice	S	25/10/2018
WA8	Connect to a Database	To load relevant data	M	25/10/2018
WA9	Display blood pressure data	So user can access blood pressure information	M	25/10/2018
WA10	Edit user information	To keep records accurate	M	25/10/2018
WA11	Delete user information	Uphold data protection	M	25/10/2018
WA12	Create a user profile	BPM can save results for specific user	М	25/10/2018

Networking (Dan Steer)				
NW1	Connect to a	To connect to	M	25/10/2018
	network	the server		

NW2	Disconnect from network	To disconnect from all networks	M	25/10/2018
NW3	Enable Wi-Fi	To allow device to connect to a network (eg. the server)	М	25/10/2018
NW4	Disable Wi-Fi	To disconnect from all networks	M	25/10/2018
NW5	Disable Wi-Fi if not connected to network for prolonged period	Save power	С	25/10/2018
NW6	Reconnect to last used network when Wi-Fi is enabled	Speed up connection to server	С	25/10/2018
NW7	Forget a network	To remove networks no longer being used	S	25/10/2018
NW8	Remember connection information for networks	The device can connect without entering a password	S	25/10/2018
NW9	Enable/disable auto connect to networks	Increase usability	С	25/10/2018

Acceptance Tests

POST/Power ON (Harrison James Marcks & Huseyin Sert)

Test Name: PP_T1

Requirements Tested: P1

Outline: Ensure that the system tests the memory

Pre-requisites: System is turned off

Method:

STEP	Action	Expected Observation
1	Turn on the system	The system will start to
		blink the LEDs
2	Wait	The system will eventually
		be started

Test Name: PP_T2

Requirements Tested: P2

Outline: Ensure that the system tests the screen

Pre-requisites: System is turned off

Method:

STEP	<i>Action</i>	Expected Observation
1	Turn on the system	The system will start to
		display characters on the
		screen
2	Wait	Eventually, it'll move on to
		the next test

Test Name: PP_T3

Requirements Tested: P3

Outline: Ensure that the CPU instructions work correctly

Pre-requisites: System is turned off

Method:

STEP	Action	Expected Observation
1	Turn on the system	Diagnostic information will
		be notified on the LEDs
		relating to the jump
		instructions being tested
2	Wait	Eventually the system will
		move onto the next test

Test Name: PP_T4

Requirements Tested: P4

Outline: Make sure the power is stable **Pre-requisites**: System is turned off

STEP	Action	Expected Observation
1	Turn on the system	System shows it is starting
2	Wait	Information relating to the
		power supply is displayed

Test Name: PP_T5

Requirements Tested: P5

Outline: Test the ROM to make sure everything is okay

Pre-requisites: System is turned off

Method:

STEP	Action	Expected Observation
1	Turn on the system	System shows it is starting
2	Wait	System shows ROM
		diagnostic information via
		blinking the LEDs

Test Name: PP_T6
Requirements Tested: P6

Outline: The POST/Power On tests should be able to run

Pre-requisites: System is turned off

Method:

STEP	Action	Expected Observation
1	Turn the system on	The first test is run
2	Wait	Each subsequent test is run one after another
3	Wait	All tests have been run and the system is in a sane state OR some diagnostic information is being displayed

Test Name: PP_T7
Requirements Tested: P7

Outline: Check to make sure the buttons can be read from

Pre-requisites: System is turned off

Method:

STEP	Action	Expected Observation
1	Turn on the system	The system shows it is starting
2	Ask for user input on both	The system confirms each
	buttons	button press and carries on

Test Name: PP_T8

Requirements Tested: P8

Outline: Check network interface **Pre-requisites**: System is turned off

Method:

STEP	Action	Expected Observation
1	Turn the system on	System shows it is starting
2	Wait	The system performs a
		Hardware check to see if
		there is an Ethernet or Wi-Fi
		Module

Test Name: PP_T9

Requirements Tested: P9

Outline: Check blue tooth module
Pre-requisites: System is turned off

Method:

STEP	Action	Expected Observation
	Turn on the system	System shows it is starting
2	Wait	The system performs a
		Hardware check to see if
		there is a blue tooth module
		installed

Test Name: PP_T10

 $\textbf{Requirements Tested} \colon P10,\,P1,\,P2,\,P3,\,P4,\,P5,\,P6,\,P7,\,P8,\,P9$

Outline: Perform all tests in sequence at system boot

Pre-requisites: System is turned off

Method:

Action	Expected Observation
Turn on the system.	The system shows it has begun booting using the LEDs
Wait	Eventually the LEDs begin to show POST diagnostic information via predefined (certain rhythm and order) way of LEDs blinking
Wait	More tests will be observed with more LED output
Wait	Eventually both the LEDs will flash 3 times quickly to inform that tests are completed
Wait	If tests fail, the red LED will remain on.
	Turn on the system. Wait Wait Wait

Blood Pressure Monitor (Huseyin Sert)

Test Name: B_T1

Requirements Tested: B1, B2, B3, B6

Outline: Ensure that the device can measure user's blood pressure

Pre-requisites: Make sure the device is turned on, healthy and sensors connected

STEP	Action	Expected Observation
1.	Attach the sensors to a person	Sensors are properly attached to a person
2.	Once the reading is completed, look at the blood pressure reading on the display	See a reasonable blood pressure reading
3.	Repeat the above <i>STEP</i> s again to check if readings are consistent	See same or very similar blood pressure readings

Test Name: B_T2

Requirements Tested: B4

Outline: Ensure that the device can take the average blood pressure

Pre-requisites: Make sure the device is turned on, healthy and sensors connected

Method:

STEP	Action	Expected Observation
1.	Attach the sensors to a person	Sensors are properly attached to a person
2.	Get three different readings from the machine in one sitting	End up with three very similar readings
3.	Once the readings are completed, select the "average" option from the menu	Observe the "average" option returning the average result of the last three readings

Test Name: B_T3

Requirements Tested: B1, B2, B3, B4, B5, B6

Outline: Ensure that the device can filter out erroneous readings and data

Pre-requisites: Make sure the device is turned on, healthy and sensors connected

Method:

STEP	Action	Expected Observation
1.	Attach the sensors to a person	Sensors are properly attached to a person
2.	Get different readings from the machine	See the readings on the web application
3.	If some readings are unusually high or low due to – person: not resting 3-5 minutes, talking, has fluctuating body temperature, smoking cigarette less than 30 mins prior to reading or other reasons, identify these readings and delete them.	See a realistic and accurate readings

Menu (Jesse Batt)

Test Name: MENU T1

Requirements Tested: M1, M2, M3, M4, M5, M6, S2, S5, H1, H5

Outline: Ensure that the Menu can navigate between Sub-Menus and return to the Main

Menu

Pre-requisites: System turned on, display functional

STEP	Action	Expected Observation
1	Use device input such as	Display shows cycling of possible
	buttons/sliders to cycle	menu options through a possible
	through possible menu	"hover over" state
	options	
2	Use button to select menu	Device correctly navigates to the
	option, for example "Start	chosen sub menu and the display
	BPM Reading" or "Settings"	reflects this

3	Use button to return to the	Device returns correctly to the
	main menu	main menu and display reflects
		this

Test Name: MENU T2

Requirements Tested: M2, M3, M4, H5, BPM(All), S2, S5, DB1, DB5, H6

Outline: Ensure the user can prompt the start of a BPM reading via Menu navigation on the device

Pre-requisites: Device is on, Menu navigation working correctly, input connected

Method:

STEP	Action	Expected Observation
4	Use buttons to navigate to "Start Reading"	Device and display correctly reflect the selection
2	After the reading is complete, use buttons to navigate menu to view results of reading	Displays the correct reading on the screen
3	Select "View previous readings", pull from database	Displays correctly
4	Return to menu using buttons	Display and device reach main menu

Test Name: MENU_T3

Requirements Tested: M1, M2, M7, H1, S5, P6

Outline: Ensure the board can be rebooted as prompted by the user

Pre-requisites: Device is on, Menu navigation working correctly, I/O functional

Method:

STEP	Action	Expected Observation
1	Use buttons to cycle to reboot option	Display reflects this
2	Use button to select reboot option	Device shuts down safely, then reboots automatically, fully functional and ready to go

Database (Jesse Batt)

Test Name: DB T1

Requirements Tested: DB1, DB4, DB5, EU5, M1, M2

Outline: Data can be saved to the database as well as being displayed on the web app. **Prerequisites:** The device is powered on, networking is enabled, and the web app server is

running

Method:

Step	Action	Expected Observance
1	Take a test reading on the device	Reading is taken successfully, and SQL query is sent to the database
2	Load database backend to see if reading is saved	Reading saved
3	Load web app, view database	Database displays correctly on the web app

Test Name: DB_T2

Requirements Tested: DB2, DB3, DB4, I7, M1, M2, M5, M8, H7

Outline: User data can be edited on the device then these changes will overwrite existing

data for a user within the database

Prerequisites: The device is powered on, networking is enabled, and the web app server is

running

Method:

Step	Action	Expected Observance
1	Navigate menu to find the user profile information.	The user information fields (age, gender etc.) should appear either blank or prefilled.
2	Edit the information.	Fields should be editable.
3	Save changes, which will send changes to the SQL database	Success pop up(?)
4	Open database via web app to view database	Updated values display correctly

Human Interface (Huseyin Sert)

Test Name: HI T1

Requirements Tested: H1. H2, H3, H4

Outline: Ensure that a single button click is registered as only a click **Pre-requisites**: System is turned on, healthy, and ready to receive input

Method:

STEP	Action	Expected Observation
1	Click the button for an	No other type of button
	option	press is registered

Test Name: HI_T2

Requirements Tested: H1. H2, H3, H4

Outline: Ensure that a double button click is registered as only a double click **Pre-requisites**: System is turned on, healthy, and ready to receive input

Method:

STEP	Action	Expected Observation
1	Double click an option	No other type of button
		press is registered

Test Name: HI T3

Requirements Tested: H1. H2, H3, H4

Outline: Ensure that a single long press is registered as only a long a press **Pre-requisites**: System is turned on, healthy, and ready to receive input

Method:

STEP	Action	Expected Observation
1	Hold button down to select	No other type of button
	an option	press is registered

Test Name: HI_T4

Requirements Tested: H1. H2, H3, H4

Outline: Ensure that pressing multiple buttons at once is registered as nothing else

Pre-requisites: System is turned on, healthy, and ready to receive input

STEP	Action	Expected Observation
1	Push multiple buttons	No other type of button
		press is registered

Test Name: HI_T5

Requirements Tested: H5

Outline: Use the slider to change an option

Pre-requisites: System is turned on, healthy, and ready to receive input

Method:

STEP Action	Expected Observation
1 Adjust the slider such t	hat The slider input is correctly
an option is changed	handled

Test Name: HI_T6

Requirements Tested: H6

Outline: View feedback on the screen

Pre-requisites: System is turned on, healthy, and ready to send output

Method:

STEP	Action	Expected Observation
-	Make changes to the system	Any changes or actions
	such that what is displayed	carried out by the user are
	to the user will change	communicated to them

Test Name: HI_T7

Requirements Tested: H7

Outline: View feedback on the LEDs

Pre-requisites: System is turned on, healthy, and ready to send output

Method:

STEP	Action	Expected Observation
1	Perform a button press	See LEDs response via
		quick blink, demonstrating
		that button click has been
		registered

Test Name: HI_T8

Requirements Tested: H8

Outline: Enter information on a user

Pre-requisites: System is turned on, healthy, and ready to receive input

Method:

<u>STEP</u>	<i>Action</i>	Expected Observation
1	Goto user profiles	
2	Create or edit a new user	
3	Enter user information using	The data being entered can be
	various combinations of the	entered by the user using the
	button presses	buttons

Test Name: HI_T9

Requirements Tested: H9

Outline: Use the slider to change the BPM scale

Pre-requisites: System is turned on, healthy, and ready to receive input

Method:

STEP Action Expected Observation

1 Navigate to BPM screen option

2 Use the slider to zoom in/out The readings are enlarged

Test Name: HI T10

Requirements Tested: H10

Outline: Change the scale of the UI using the slider

Pre-requisites: System is turned on, healthy, and ready to receive input

Method:

STEP	Action	Expected Observation
	While on any screen use the	The text is enlarged/shrunk
	slider to change the scale of	
	the text and other things	

Screen (Huseyin Sert)

Test Name: S T1

Requirements Tested: S1, S3

Outline: Ensure that the screen displays the blood pressure reading **Pre-requisites**: Device is turned on, healthy and sensors are connected

Method:

STEP	Action	Expected Observation
1.	Wait for machine to take the	Machine is taking a reading
	reading	
2.	Once reading is complete, check	See a blood pressure reading
	the screen	

Test Name: S_T2

Requirements Tested: S2

Outline: Ensure that the screen displays all the available / useful data

Pre-requisites: Device is turned on and healthy

Method:

STEP	<i>Action</i>	Expected Observation
1.	Connect all the sensors and	All sensors and peripherals
	peripherals that can be	are fully connected
	connected	
2.	Make sure that all the data is	View all the available / useful
	formatted perfectly on the	data in one screen without any
	screen so that every useful and	data missing or protruding out
	available data can displayed on	of the screen
	one screen	

Test Name: S_T3

Requirements Tested: S1, S3

Outline: Ensure that the screen displays blood pressure reading in real time **Pre-requisites:** Device is turned on, healthy and sensors are connected

STEP	<i>Action</i>	Expected Observation
1.	Attach sensors to a person	Sensors are connected to a
2.	Wait for machine to take the reading	Machine is taking a reading
3.	Look at the screen	See the reading values change as the reading is still
		in progress

Test Name: S_T4

Requirements Tested: S4

Outline: Ensure that the screen can show multiple blood pressure readings at the same time

Pre-requisites: Device is turned on and healthy

Method:

<u>STEP</u>	Action	Expected Observation
1.	Navigate to where the user profiles	See a list of users
	are on the menu	
2.	Select a user from the list	See a list of previous
		readings on one screen

Test Name: S_T5

Requirements Tested: S5

Outline: Ensure that the screen can display a menu **Pre-requisites**: Device is turned on and healthy

Method:

<u>STEP</u>	<i>Action</i>	Expected Observation
1.	Look at the screen	See a list of options
		available to pick for
		different tasks

Test Name: S_T6

Requirements Tested: S6

Outline: Ensure that the screen can display text and data on the screen clearly with correct

colour inversion

Pre-requisites: Device is turned on and healthy

Method:

STEP	<i>Action</i>	Expected Observation
1.	Look at the screen	Be able to read text,
		options, menu and
		anything intended to be
		displayed on the screen
		without difficulty because
		a clear font is selected and
		correct colour inversion is
		being used

Test Name: S_T7

Requirements Tested: S7

Outline: Ensure that the screen can display a boot-up message

Pre-requisites: Device is healthy

STEP	<i>Action</i>	Expected Observation
1.	Boot the device up	See a small message on the
		screen before the device is
		fully booted

Web Application (Dan Steer)

Test Name: WA_T1

Requirements Tested: WA1, WA3, WA5

Outline: Run performance analysis on web application

Pre-requisites: The PC is powered on and healthy, the PC is connected to the internet, Google Chrome is installed, the website is live, the active program Google Chrome

Method:

CTED	Antion	Europe de de Obacomentian
	Action Navigate to the index of the web application.	Google chrome is displaying the index of the web application
2	Enter the developer console by pressing F12, or right click, inspect element. Navigate to the <i>Audit</i> tab.	The developer console is open, and the active tab is <i>Audit</i>
3	Ensure all options are selected, apart from <i>Progressive Web App</i> and <i>SEO</i> . Select the <i>Desktop</i> device.	All relevant tabs are selected, the test is ready to begin.
4	Run Audit.	The audit is running.
5	Audit passes.	The web application is adequate (minimum score 45 for a given component)
6	Run the test again, this time select device <i>Mobile</i>	The audit is running.
7	Audit passes	The web application is adequate (minimum score 45 for a given component)

Test Name: WA_T2

Requirements Tested: WA2, WA6, WA8, WA9

Outline: Web application is functional on multiple web browsers

Pre-requisites:

The PC is powered on and healthy, the PC is connected to the internet, multiple web browsers are installed (Chrome, Firefox, Opera etc.), the website is live, a web browser is active **Method**:

STEP	Action	Expected Observation
1	Navigate to the index of the	The index page of the
	web application.	website is being shown
2	Go to each page of the	The current page is
	website	functional
3	Repeat steps 1-2 using	The current page is
	multiple web browsers	functional

Test Name: WA_T3

Requirements Tested: WA6, WA8, WA10, WA11, WA12 **Outline**: Test create, update and delete of a user account

Pre-requisites:

The PC is powered on and healthy, the PC is connected to the internet, a web browser is installed, the website is live, a web browser is active

Method:

STEP	Action	Expected Observation
1	Navigate to the index of the user section of the web application	The user profiles section of the website is being showed in the web browser
2	Create a new user	A new user has been created successfully. The user is visible.
3	Edit the information about the user that has just been created	Changes have been made to the user account just created, and the information has been saved successfully.
4	Delete the user that has just been created	The all information about the user has been successfully deleted.

Test Name: WA_T4

Requirements Tested: WA3, WA4, WA7

Outline: Check source files don't leak sensitive information

Pre-requisites:

The PC is powered on and healthy, source files are available to access, the root of the web application directory is active (either in terminal or GUI), a text editor is installed

STEP	Action	Expected Observation
1	Open each source file (e.ghtml, .css, .js, .php etc.)	The source file contains no database connection information (e.g. password, user, DB etc.).
		If database queries are used, prepared statements are in place to prevent SQL based attacks.

Networking (Dan Steer)

Test Name: NW_T1

Requirements Tested: NW1, NW3 **Outline**: Connect to a new network

Pre-requisites:

Device is powered on and healthy and Wi-Fi is disabled

Method:

STEP	Action	Expected Observation
1	Navigate menu to find the Wi-Fi options	A list of options relating to Wi-Fi is listed
2	Turn on Wi-Fi	The device will search for available networks, and list them when the search is complete.
3	Choose a network and attempt to connect	The device will try and connect to the selected network. A prompt to enter the password may appear.
4	Enter network password if required	Connection is successful

Test Name: NW_T2

Requirements Tested: NW2, NW7

Outline: Forget a network

Pre-requisites:

Device is powered on and healthy, Wi-Fi is enabled and connected to a network

STEP	Action	Expected Observation
1	Navigate menu to find the	A list of options relating to
	Wi Fi options	Wi-Fi is listed
2	Disconnect from the active network	The device should now be disconnected from the network it was connected to
3	Select option to forget the network it was connected to	A prompt may appear to confirm choice. A list of available network will be listed
4	Try and connect to the network that has just been 'forgotten'	The prompt to enter a password may appear. This proves the device no longer remembers the network

Test Name: NW_T3

Requirements Tested: NW1, NW2, NW3, NW4, NW5, NW9

Outline: Wi-Fi automatically turns off when inactive for defined period

Pre-requisites:

Device is powered on and healthy, Wi-Fi is enabled and connected to a network, auto-connect to networks is enabled in the Wi-Fi options.

Method:

STEP	Action	Expected Observation
1	Navigate menu to find the	A list of options relating to
	Wi-Fi options	Wi-Fi is listed
2	Disconnect from the active network	The device should now be disconnected from the network it was connected to
3	Disable 'auto-connect' to networks	The option has been disabled.
4	Disable Wi-Fi	Wi-Fi should be turned off
5	Enabled Wi-Fi	A list of available networks should be listed
6	Wait for defined period	After period, Wi-Fi should automatically be disabled

Test Name: NW_T4

Requirements Tested: NW1, NW3, NW6, NW8

Outline: Device remembers previously connected networks

Pre-requisites:

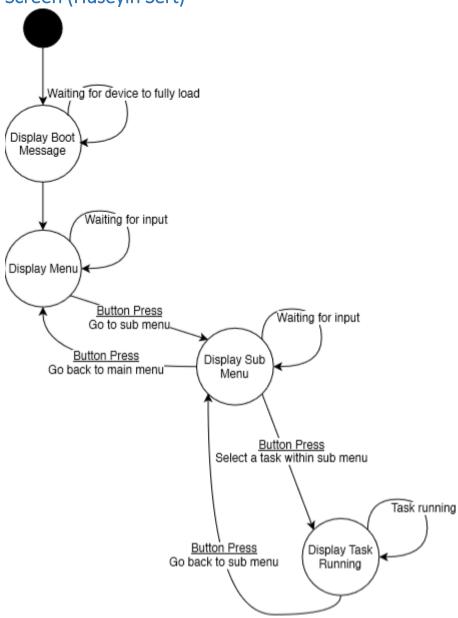
Device is powered on and healthy, Wi-Fi is disabled, auto-connect to networks is enabled in

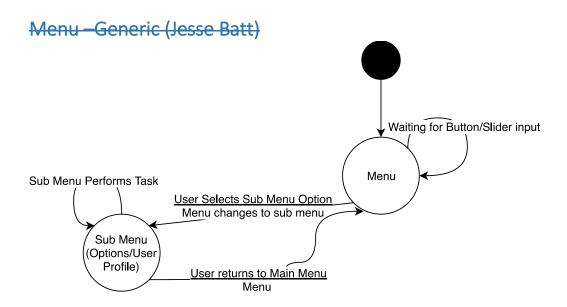
the Wi-Fi options.

STEP	Action	Expected Observation
1	Navigate menu to find the Wi-Fi options	A list of options relating to Wi-Fi is listed
2	Enabled Wi-Fi	A list of available networks should be listed
		If a previously connected network is available, the device will automatically connect to it

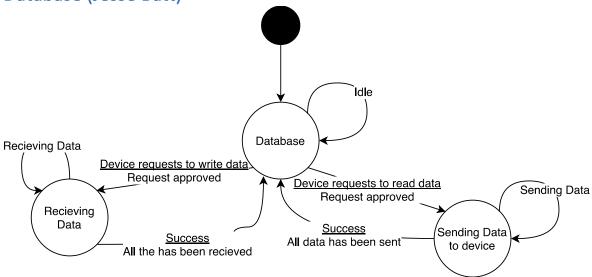
Designs High-level

Screen (Huseyin Sert)

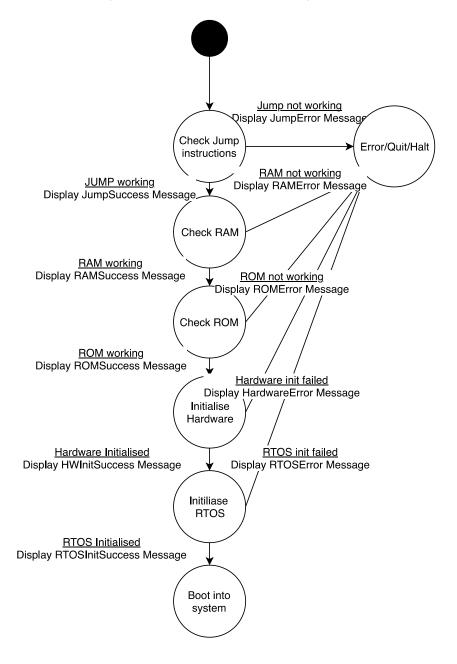




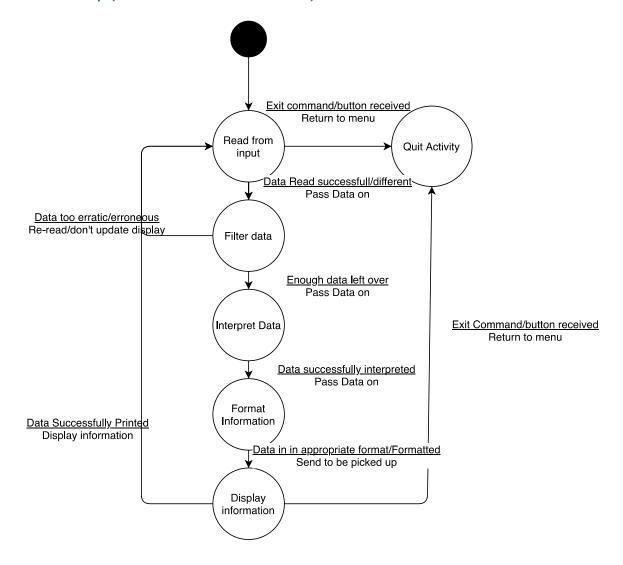
Database (Jesse Batt)



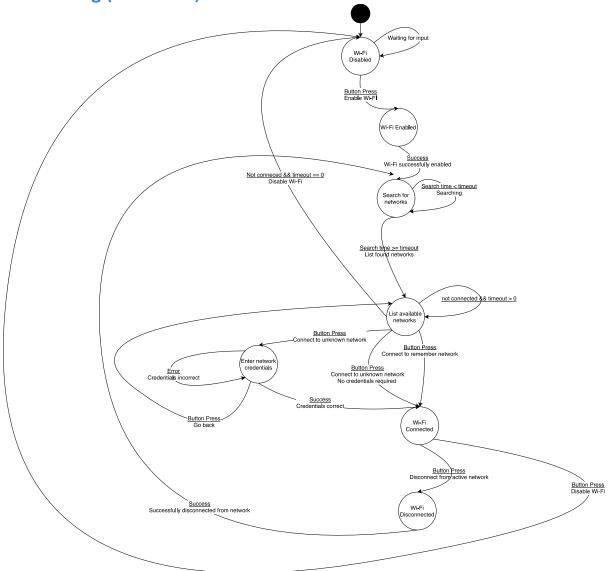
POST / Power On (Harrison James Marcks)



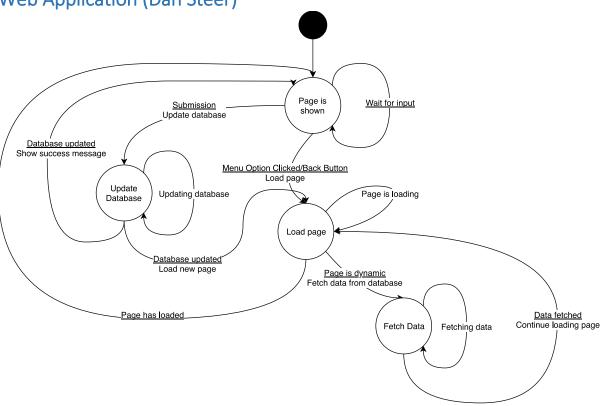
BPM Activity (Harrison James Marcks)



Networking (Dan Steer)

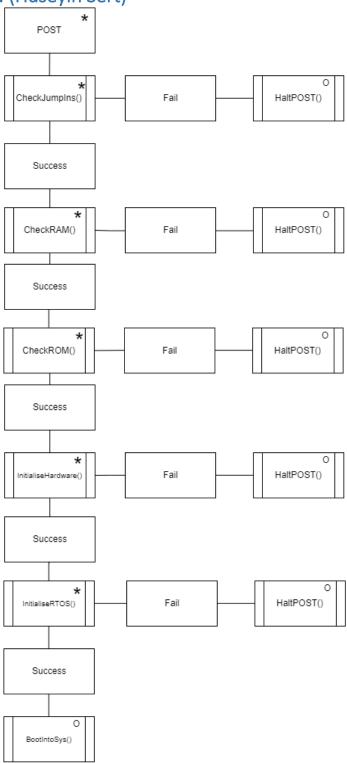


Web Application (Dan Steer)

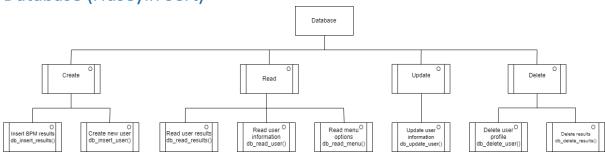


Designs Low-level

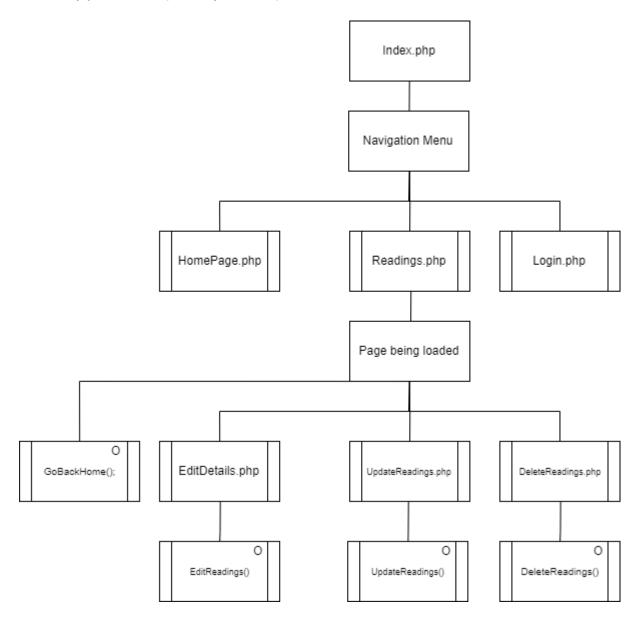
Post/Power ON (Huseyin Sert)



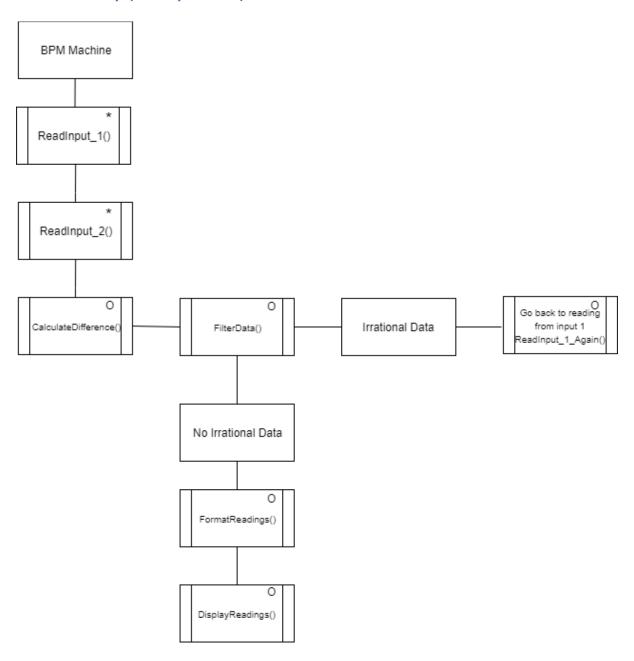
Database (Huseyin Sert)



Web Application (Huseyin Sert)



BPM Activity (Huseyin Sert)



Networking (Huseyin Sert)

