

1. Acceptance Criteria .....	2
2. Acceptance Tests .....	4
3. High Fidelity Prototype .....	6
4. Mood Board .....	7
5. Traceability Matrix .....	9
6. Usability Test .....	10

# Acceptance Criteria

V2

User Story					Acceptance Criteria			
Epic ID	Epic	User Story ID	As an ACDS	I want to	Acceptance Criteria ID	Given	When	Then
1	Manage Accounts	1.1	Admin	Create new accounts	AC001	There is a need for me to add more accounts in the database	I enter the admin dashboard	There is a button for me which I can click and create new account
		1.2	Admin	Log in to the system	AC002	I want to access the database management system to start my daily work	I navigate to the website in my browser	I see the log in page where I can input my account id and password to access the application
		1.3	Admin	Control user access level	AC003	One ACDS staff was transferred from manager to auditor and I want to change the level of his account	I enter the admin dashboard	I can see search the current accounts and change their levels
2	View Data	2.1	Auditor	Export data	AC004	I want to export a version of the data for use in an audit	I enter the version control page	I can search for that data by the date or version and export it in the form I want
		2.2	Auditor	View Historic data	AC005	I want to calibrate and verify one previous data and I know its imported time	I enter the version control page	I can search the previous data according to their imported time by clicking the calendar in the page to choose date
		2.3	Admin	Track changes	AC006	I am checking the data modified by other auditors and want to verify their changes in the data	I enter the version control page	There is a change log which shows all the pending changes made by auditors and people who changed them
		2.4	Auditor	See a list of all calibration tools	AC007	I want to have a look at how many tools are now under our calibration service	I enter the application and log in	There would be a button in the auditor dashboard which could lead me to a page where I could find the list of all the tools
		2.5	Auditor	Receive notifications for expired or soon to be expired calibration tools	AC008	I want to be warned if there is any data expired	I am logged in to the application	An alerts section of the dashboard will let me know what data is expired or expiring soon
		2.6	Auditor	Search the list of calibration tools	AC009	I want to find specific tools which meet my requirements	Same as AC007	Same as AC007, but in that page, there is a input box where I could enter my parameters and a list below would show me all the tools meet my parameters
3	Update Data	3.1	Admin	Upload spreadsheet data	AC010	I want to import data to the database from an excel sheet	I enter the application and log in to the admin page	In the admin page there is a button named "add new data" which could lead me to a page where I could import the data from my computer to the database by clicking "import" button and choose a file on my local machine
		3.2	Admin	Update a tool's calibration data	AC011	I want to update the information of a tool as it has expired	I enter the application and log in to the admin page	In the admin page, I can see a button named "update tool data" which could lead me to a page where I could see all the tools' data in a list and could be able to update the data
		3.3	Admin	Add a new tool	AC012	There is new medical equipment for us to use in an audit	I enter and access the database application	In the admin page, there is a button which lead me to the page where I could enter the number of new chamber, enter its other information and to add it in our database
		3.4	Admin	Approve new calibrations	AC013	I want to verify and approve auditors' new calibrated data	I enter the version control page	I can use button aside each line of newly changed data to view and then approve or reject it

V1

User Story ID	Acceptance Criteria ID	As an ACDS	I want to	Given	When	Then
1.1	AC001	Admin	Create new accounts	There is a need for me to add more accounts in the database	I enter the admin dashboard	There is a button for me which I can click and create new account
1.2	AC002	Admin	Log in to the system	I want to access the database management system to start my daily work	I enter the open the webpage of the application	I see the log in interface where I can input my account id and password to access the application

1.3	AC003	Admin	Control user access level	One ACDS staff was transferred from manager to auditor and I want to change the level of his account	I enter the admin dashboard	I can see search the current accounts and change their levels
2.1	AC004	Auditor	Export data	I want to export one specific data for a patient's therapy	I enter the version control page	I can search for that data by the information I entered and export it in the form I want using one button or interface
2.2	AC005	Auditor	View Historic data	I want to calibrate and verify one previous data and I know its imported time	I enter the version control page	I can search the previous data according to their imported time by clicking the calendar in the page to choose date
2.3	AC006	Admin	Track changes	I am checking the data modified by other auditors and want to find the their changes in the data	I enter the version control page	There is an change log interface which shows all the changes made by auditors and people who changed them
2.4	AC007	Auditor	See a list of all calibration tools	I want to have a look at how many tools are now under our calibration service	I enter the application and log in	There would be a button in the auditor dashboard which could lead me to a page where I could find the list of all the tools
2.5	AC008	Auditor	Receive notifications for expired or soon to be expired calibration tools	I want to be warned if there is any data expired	I am logged in to the application	No matter which page I am currently in, if there is any data is going to be expire, a small window would jump out and inform me about it
2.6	AC009	Auditor	Search the list of calibration tools	I want to find specific tools which meet my requirements	Same as AC007	Same as AC007, but in that page, there is a input box where I could enter my parameters and a list below would return me with all the tools meet my parameters
3.1	AC010	Admin	Upload spreadsheet data	I want to import data to the database from excel sheet	I enter the application and log in to the admin page	In the admin page there is a button named "add new data" which could lead me to a page where I could import the data from my computer to the database by clicking "import" button and choose a file in my file folders
3.2	AC011	Admin	Update a tool's calibration data	I want to update the information of a tool as it has been repaired	I enter the application and log in to the admin page	In the admin page, I can see a button named "update tool data" or something like this which could lead me to a page where I could see all the tools' data in a list and could be able to change any of the column of the data
3.3	AC012	Admin	Add a new tool	There is new medical equipment for us to audit	I enter and access the database application	In the admin page, there is a button which lead me to the page where I could enter the number of new chamber, enter its other information and to add it in our database
3.4	AC013	Admin	Approve new calibrations	I want to verify and approve auditors' new calibrated data	I enter the version control page	I can use button aside each line of newly changed data to approve it

# Acceptance Tests

Acceptance Criteria ID	Step	Acceptance Test	Critical		Test results		Comments
			YES	NO	Accept	Reject	
AC001	1.1	Click on "Dashboard" on the left navigation menu	X		X		
	1.2	Look at "Alert" table	X		X		
	1.3	The serial number of the case and its issue are displayed in the "Alert" table	X		X		
AC002	2.1	Click on "Dashboard" on the left navigation menu	X		X		
	2.2	Select the version in the "data version" bar	X		X		
	2.3	Select export file type in the "Export as" bar, excel or CSV	X		X		
	2.4	Click on the "export" button to export the specific file	X		X		
AC003	3.1	Click on "View Calibration Data" on the left navigation menu	X		X		
	3.2	Select tool in the "Tools" bar	X		X		
	3.3	Select model in the "Model" bar	X		X		
	3.4	The chambers table is displayed and its content is based on the selections	X		X		
AC004	4.1	Click on the "Enter new data" on the left navigation menu	X		X		
	4.2	Select tool type in the "Type" bar, Chamber or Electrometer	X		X		
	4.3	Input the model number in the "Model" bar	X		X		
	4.4	Input the serial number in the "Serial Number" bar	X		X		
	4.5	Click on the add or cancel to add a new tool or not	X		X		
AC005	5.1	Click on the "View Calibration Data" on the left navigation menu	X		X		
	5.2	Select tool in the "Tools" bar	X		X		
	5.3	Select model in the "Model" bar	X		X		
	5.4	Select a S/N in the "Serial Number" bar	X		X		
	5.5	A table will appear containing the calibration data for the selected tool	X		X		
AC006	6.1	Click on the "Version Control" on the left navigation menu		X	X		
	6.2	"Change log" table is displayed as the first table of three		X	X		
	6.3	Click on the "View" button on the left side of "Change log" table		X	X		
	6.4	Details of the current version are shown in the table		X	X		
AC007	7.1	Click on "View Calibration Data" from the Navigation menu		X	X		
	7.2	Click on the tools dropdown to select a tool type		X	X		
	7.3	Click on the model dropdown to select the tool model		X	X		
	7.4	Click on the serial number dropdown to view all of the tools of that model and type		X	X		
AC008	8.1	Click on "Dashboard" from the navigation menu	X		X		
	8.2	An alerts box will appear on the dashboard page	X		X		
AC009	9.1	Click on "View Calibration Data" from the navigation menu	X		X		
	9.2	Type either a tool, model or serial number in the search box and see a list of tools for that search	X		X		
AC010	10.1	Click "Enter new data" from the navigation menu	X			X	Not yet implemented
	10.2	Click on the "Upload spreadsheet data" button	X			X	Not yet implemented
	10.3	Select the spreadsheet file to upload	X			X	Not yet implemented
AC011	11.1	Click on the "Version Control" on the left navigation menu		X	X		
	11.2	"Pending approvals" table is displayed as the second table of three		X	X		
	11.3	Click on the "View" button on the left side of "Pending approvals" table to view details		X	X		
	11.4	Click on the "Approve" or "Reject" button to change status		X	X		
AC012	12.1	Click on "Enter new data" from the navigation menu	X		X		
	12.2	Select a type of tool, fill in the model, and serial number	X		X		
	12.3	Click on the "Add" button	X		X		
AC013	13.1	Click on the "Version Control" on the left navigation menu		X	X		
	13.2	"Pending amendments" table is displayed as the third table of three		X	X		
	13.3	Click on the "View" button on the left side of "Pending amendments" table to view details		X	X		

	13.4	Click on the "Edit" button on the right side "Pending amendments" table to do edit	X	X	
--	------	--	---	---	--

# High Fidelity Prototype

Admin User Tests HIFI Prototype Link:

<https://www.figma.com/proto/m76nWcXIN7stVz3rR0nEZr/HFP?node-id=8%3A2103&scaling=min-zoom&page-id=0%3A1&starting-point-node-id=8%3A2103&show Proto-sidebar=1&hide-ui=1>

Auditor User Tests HIFI Prototype Link

<https://www.figma.com/proto/m76nWcXIN7stVz3rR0nEZr/HFP?node-id=225%3A32342&scaling=min-zoom&page-id=0%3A1&starting-point-node-id=8%3A2103&show Proto-sidebar=1&hide-ui=1>

Scenarios:

1. [Login as an Admin](#) and enter a new tool/data (eg. Chamber).
2. Update the calibration data of a chamber with model number TW30013 serial number 5447 and send it to review.
3. Go to version control to approve a new change to the data and view the newly approved data.
4. Repeat steps 1 and 2 or click dashboard(reset), go to version control and reject a change in data.
5. [Login as an Auditor](#) and view calibration data.
6. Export file as CSV.

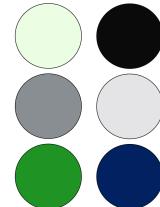
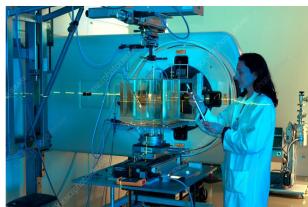
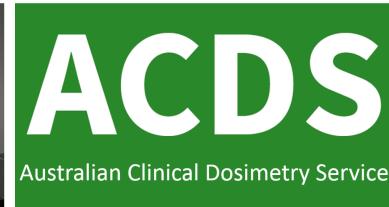
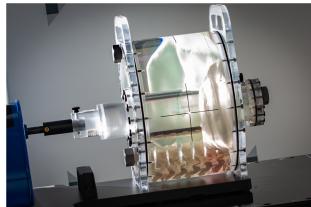
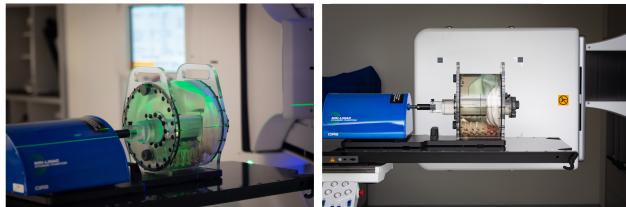
Some of these scenarios were used to test the user experience of the designed HFP. To test this the client was asked to perform these tasks without any additional comments from the development team. The video of this testing session, and all feedback obtained from client may be found here : [Usability Test](#)

# Mood Board

## Version 2.0

### Justifications:

- Client requested there be no flashy colours and emotions as this will be a professional application.
- Client requested simplistic colours that match that of their current companies colour theme
- In order to replicate the sense of a professional environment, many of the referenced images are based upon the technology they are using. From these the main shades of white grey and black were extracted, retaining a sense of a sterile and simplistic environment.



Nemo enim ipsam voluptatem  
quia voluptas

Consectetur adipiscing elit

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam.

## Version 1.0



Persona	Goal Model	User Stories
The picture 1 and 3 in the mood board shows the occupations of the personas: they are ACDS auditor and admin who take charges to manage patients' calibration data of their radiotherapy. White indicates their relation to the medical area.	The final goal of the project is to provide a tool for ACDS staffs to better operate, manage patients' data of their radiotherapy. So, grey is chosen to represent because it is a common colour seen on the radiotherapy equipment.	User stories of the project are mostly about managing data: querying, deleting, adding. So, blue represents a sense of data and technology same as the picture 2 and 5.

# Traceability Matrix

	US1.1	US1.2	US1.3	US2.1	US2.2	US2.3	US2.4	US2.5	US2.6	US3.1	US3.2	US3.3	US3.4
AC001								X					X
AC002				X									
AC003							X						
AC004											X		
AC005					X								
AC006						X							
AC007								X					
AC008								X					
AC009							X		X				
AC010										X			
AC011						X		X					X
AC012												X	
AC013								X					X

# Usability Test

Video:



Feedback:

- HFP had great flow and could easily understand where to navigate to
- like the menu on the left for easy access to different parts of the app
- good colour scheme and not distracting
- like the picture on the login screen
- maybe add a few purple accents to suit ACDS colours
- good usability as an auditor by not having too many options
- admin can add a user
- can delete users
- remove approve/reject buttons on main version control page
- reference tables should be added