CLOVER

Team CA-Koala

Development Team: CA-Koala

					
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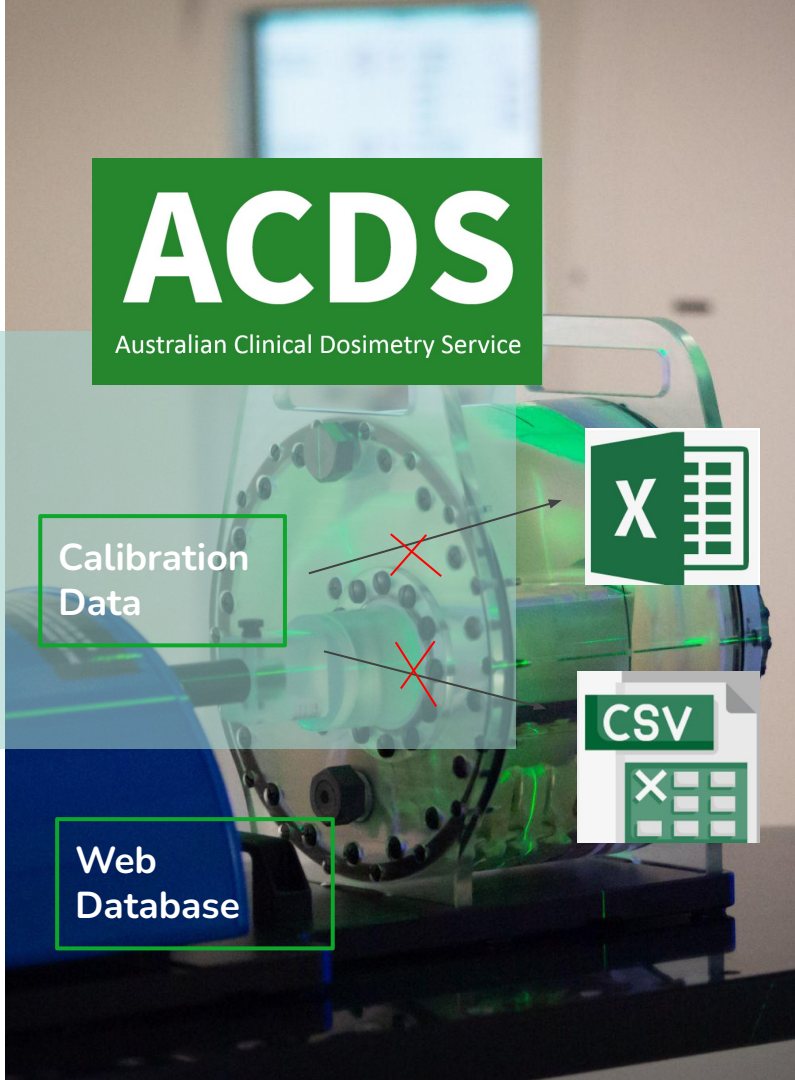
Project Introduction

Our Client:
ACDS(Australian Clinical Dosimetry Clinic)

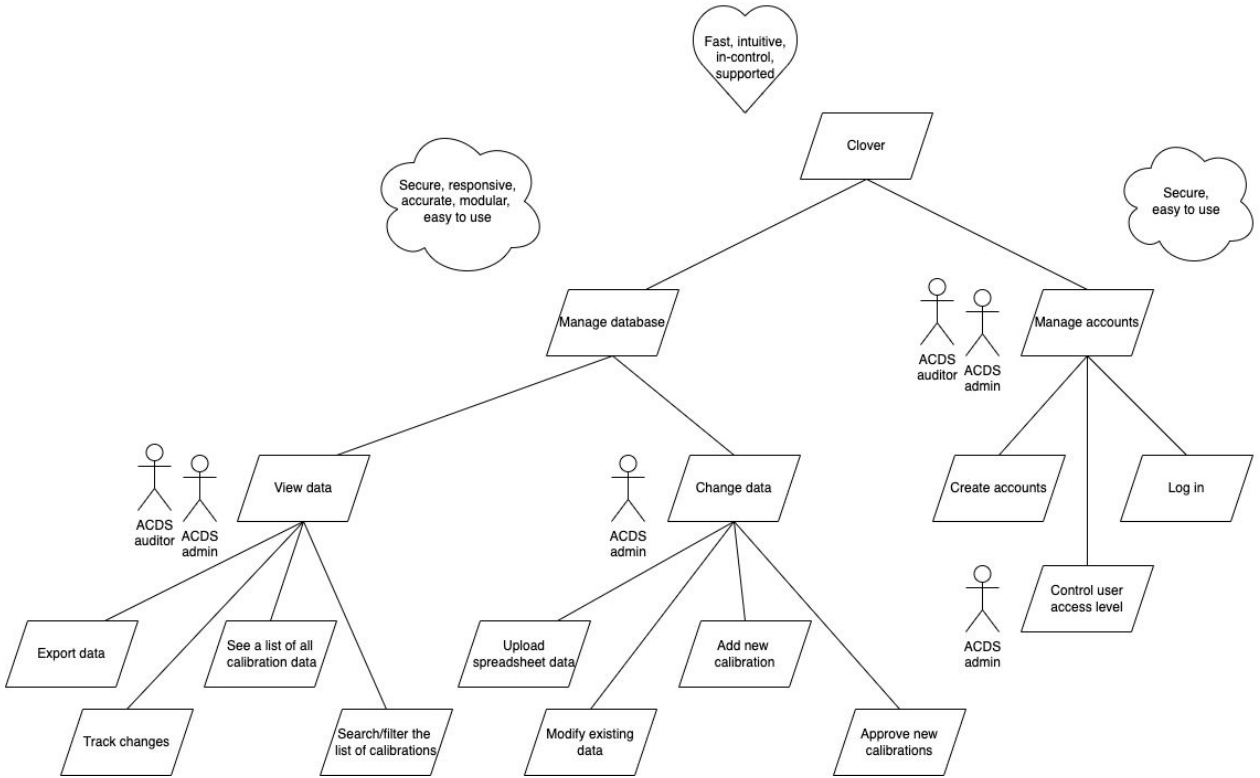
Client Context:
Organization that provides quality assurance for radiation oncology providers and patients

Project Context:
Improve the data storage and management for the ACDS

General Requirements:
Develop a web-based database application to store,manage calibration data for ACDS.



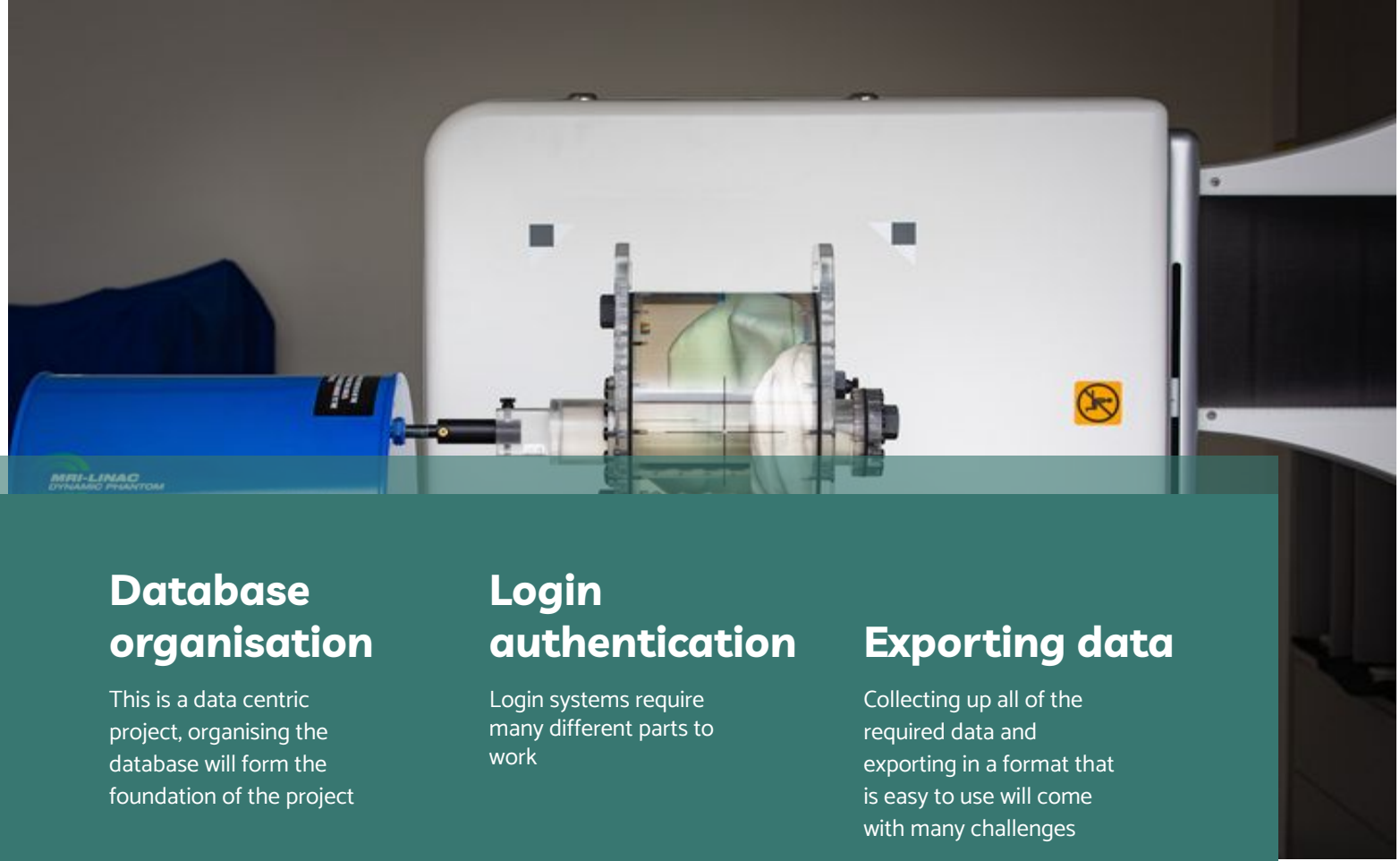
Goal Model


Fast, intuitive, in-control, supported
Clover
Secure, responsive, accurate, modular, easy to use
Secure, easy to use
Manage database
Manage accounts
ACDS auditor
ACDS admin
ACDS auditor
ACDS admin
View data
Change data
ACDS admin
Create accounts
Log in
ACDS admin
Control user access level
Export data
See a list of all calibration data
Upload spreadsheet data
Add new calibration
Track changes
Search/filter the list of calibrations
Modify existing data
Approve new calibrations

User Story Map

	(Epic 1) Manage Accounts	(Epic 2) View Data	(Epic 3) Update Data
Release 1	(1.2) Log in to the system	(2.4) See a list of calibrations tools	(3.2) Update a tool's calibrations data (3.4) Approve a new calibration
Release 2	(1.1) Create new accounts	(2.1) Export data (2.2) View historical data (2.2) Receive notifications for expired or soon to be expired tools	(3.3) Add a new tool
Release 3	(1.3) Control user access level	(2.3) Track changes (2.6) Search the list of calibration tools	(3.1) Upload spreadsheet data

Milestones



Database organisation

This is a data centric project, organising the database will form the foundation of the project

Login authentication

Login systems require many different parts to work

Exporting data

Collecting up all of the required data and exporting in a format that is easy to use will come with many challenges

Usability Test

01 Login as an Admin and enter a new tool

02 Update the calibration data of a chamber

03 Go to version control and approve a new change to the data and view the approved data

04 Login as an Auditor to view data

Feedback and action plan

Feedback

Good navigation and flow

Minimal design and color scheme

Great for auditors by not having too many options

Action

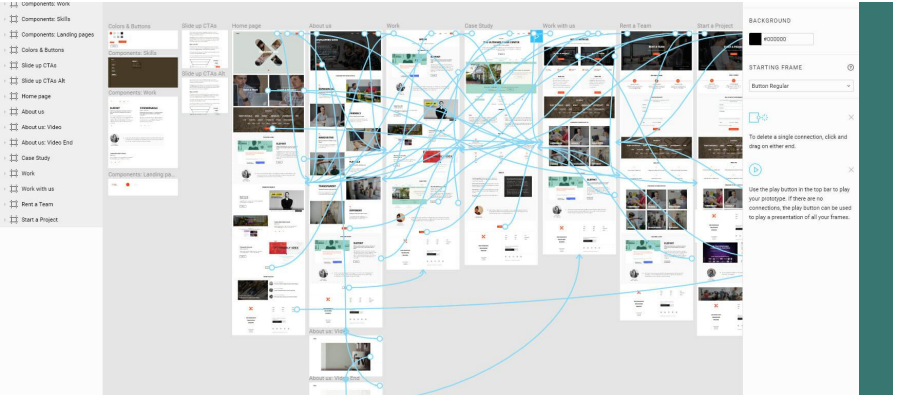
Removing easy access buttons

Integrate more acds colors and elements

User management functionality

Reference table access

Hi-Fidelity Prototype



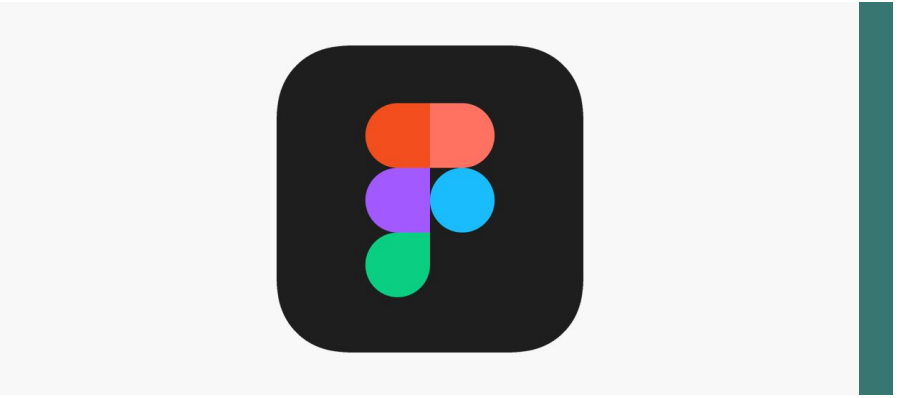
Demonstration Scenarios

- Exporting data as a excel file
- Rejection of a pending update by an admin

Prototyping Tool

Figma

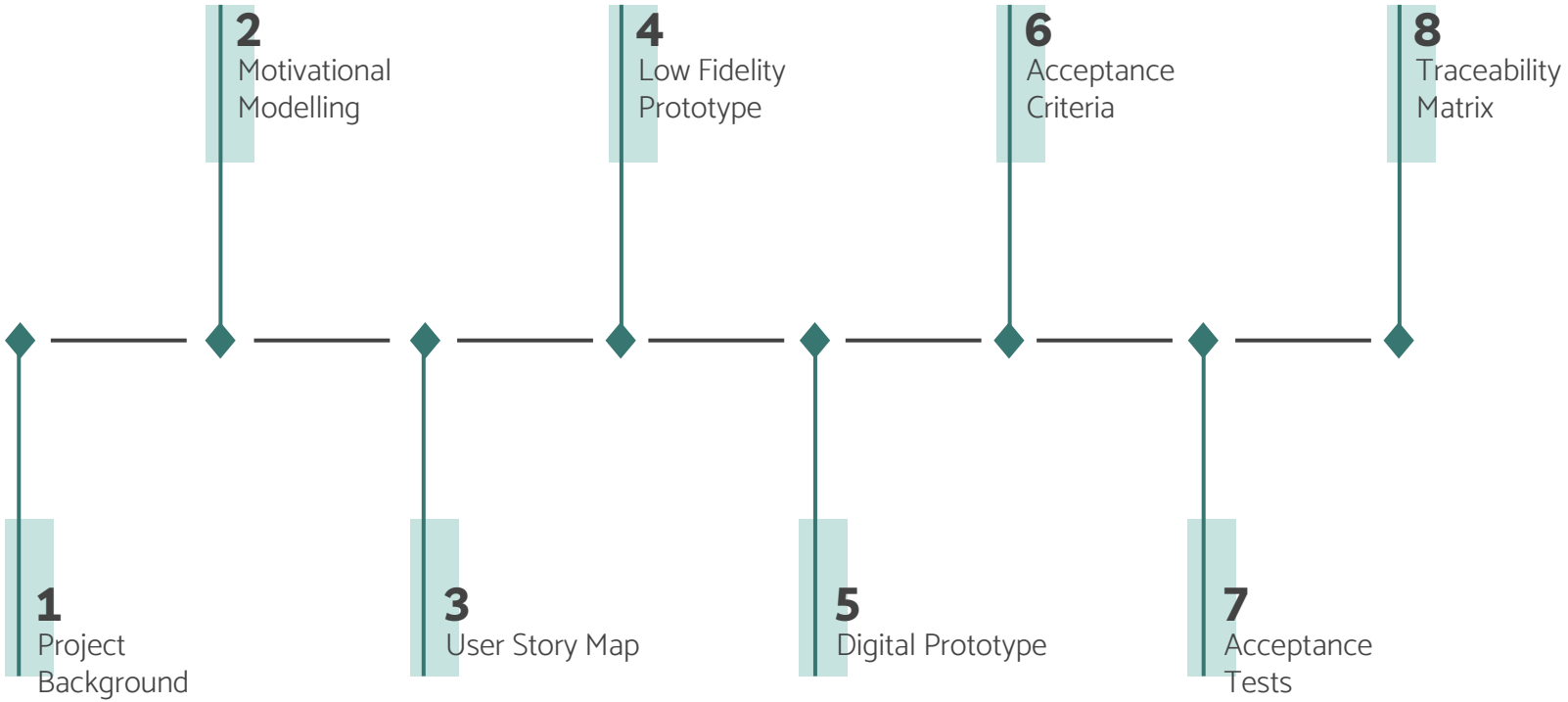
- Ease of entry
- Well documented
- Real time collaboration



Constraints

- High learning curve for complex features
- Inexperience with technology
- Extended development time

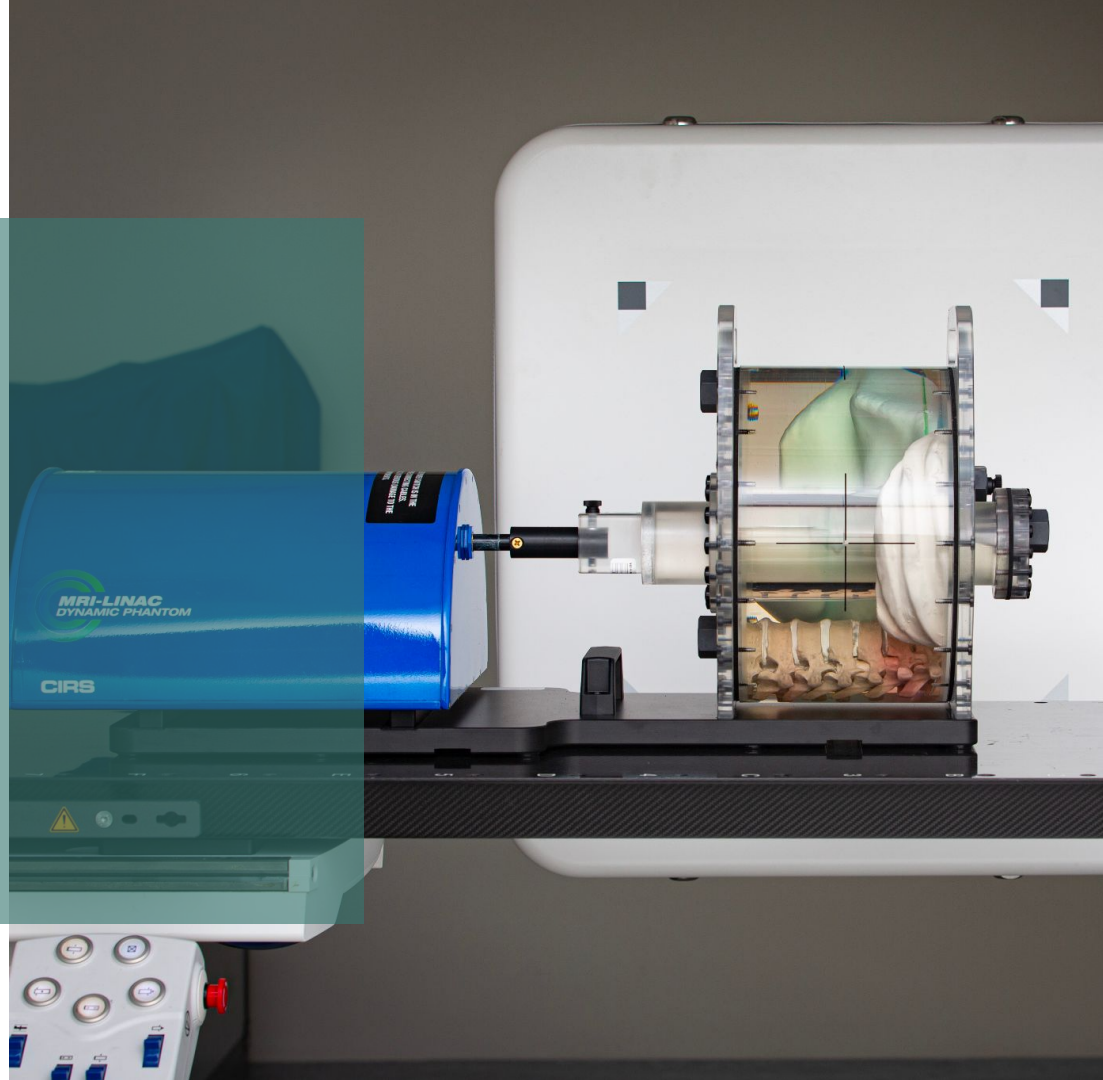
Deliverables



Handover

Github:
https://github.com/SWEN90009-2022/SWEN90009_2022_CA_Koala

Zip file shared by email




Thank you!
Questions?