Task Planning for Medical Image Application

Sprint 1

Developer 1

Task Name	Description	Time Estimate	Depends On
Read images and metadata	Read CSV file containing image metadata into the application. Structure the data so necessary information is easily accessible by the application. Import the associated images.	1 day	N/A
Create main text view	Create the skeleton text view that will be used to display image metadata in a single list. This should be formatted to match the wireframes and populated with imported images and metadata. The user should be able to click entries in the list.	3-5 days	N/A
Create main photo view	Create the skeleton image view that will be used to display images in a grid. This should be formatted to match the wireframes and populated with imported images and metadata. The user should be able to click entries in the list.	3-5 days	N/A

Developer 2

Task Name	Description	Time Estimate	Depends On
Create base application	Create the base application view. This includes allocating	2-3 days	N/A

	space for the main view, the side panel, the control bar, and the search bar without adding the views or implementing their functionalities. The layout should match the overall shape of the wireframes.		
Create side panel patient view	Create the skeleton side panel that contains a list of all patients. This should be formatted to match the wireframes, but it can be populated with placeholder data rather than image metadata. The user should be able to click on entries in the list.	3-5 days	N/A
Create side panel facility view	Create the skeleton side panel that contains a list of all facilities. This should be formatted to match the wireframes, but it can be populated with placeholder data rather than image metadata. The user should be able to click on entries in the list.	1 day	N/A
Combine patient and facility side panels	Add the ability to toggle between the patient and facility view side panels within a single panel object.	1 day	Create side panel patient view Create side panel facility view

Sprint 2

Developer 1

Task Name	Description	Time Estimate	Depends On
Combine text and image main views	Add the ability to toggle between the text and image main views within a single view object.	1 day	Create text main view Create image main view
Add main view	Add the main view object that combines the text and image views to the base application.	1 day	Create base application Combine text and image main views
Add panel view	Add the panel object that combines the patient and facility panel views to the base application	1 day	Create base application Combine patient and facility panel views
Create single image view	Create a single image view displaying one image. This view should also include a back button to return to the main view. This view should be designed to match the wireframes.	2-3 days	N/A
Add single image view	Add the single image view to the base application. This view should be hooked up to the main view so clicking an image in the main view launches the single image view. When launching the back button in the single image view, the application should	1 day	Add main view

	return to the main view.		
Add magnification menu	Create a menu that can set magnification in the single image view. Then, connect this menu to that view.	2-3 days	Add single image view

Developer 2

Task Name	Description	Time Estimate	Depends On
Populate side panel view	Populate side panel view with image metadata.	1 day	Add side panel
Create control bar UI	Create UI for the control bar. This task only involves adding the UI features and connecting the buttons to placeholder functions. The control bar should include: 1. A field that displays the metadata for the currently selected image 2. A button to move ahead to the next image 3. A button to return to the last image	1 day	N/A
Add control bar	Add the control bar to the base application. This task does not	1 day	Create base application

	include connecting the controls to their functionalities.		Create control bar
Add filter to main view	Add filter functionality to the main view.	1 day	Create main view
Implement search bar	Create and implement the search bar in the base application. Entering text into this field should filter the images displayed in the main view. This field should filter the view automatically when entering text.	2-3 days	Add filter to main view Add main view (for testing)
Add filter to side panel	Add the filter functionality to the side panel. Clicking on an option in the side panel should filter the list of options displayed in the main view. Only the selected option should be displayed.	2-3 days	Add filter to main view Add main view (for testing) Add side panel (for testing)

Sprint 3

Developer 1

Task Name	Description	Time Estimate	Depends On
Implement next button	Implement the button to move ahead to the next image. If the main view is open, the next item in the view will be highlighted. If	2-3 days	Add control bar

	the image view is open, the displayed image will move to the next item in the list.		
Implement back button	Implement the button to return to the last image. If the main view is open, the previous item in the view will be highlighted. If the image view is open, the displayed image will move to the previous item in the list.	2-3 days	Add control bar
Polish prototype	Once preceding tasks are complete, address any bugs uncovered via testing. Polish the UI as needed to match the provided wireframes better.	As needed	N/A

Developer 2

Name	Description	Time Estimate	Depends On
Build automated tests	Build out a set of automated tests to evaluate the UI behavior and prototype functionality.	3-5 days	N/A
Polish prototype	Once preceding tasks are complete, address any bugs uncovered via testing. Polish the UI as needed to match the provided wireframes better.	As needed	N/A