

HTTP 5204 - Hospital Project

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Database Schemas

Slideshow

The main Slideshow feature entity is an image. (see below)

- **Image Entity**
 - Primary Key
 - image_id INT, NOT NULL
 - Other Fields
 - title VARCHAR (100), NOT NULL
 - description VARCHAR, NOT NULL
 - alt_text VARCHAR(250), NOT NULL
 - url INT, NOT NULL

Send Best Wishes E-Greeting Form

The main Send Best Wishes entities are Patient and the Best Wishes Greeting Form. (see below)

- **Patient Entity**
 - Primary Key
 - patient_id INT, NOT NULL
 - Other Fields
 - name VARCHAR, NOT NULL
 - room_number INT, NOT NULL
 - email VARCHAR, NOT NULL
 - phone INT, NOT NULL
- **Best Wishes E-Greeting Form Entity**
 - Primary Key
 - id INT, NOT NULL
 - Foreign Keys
 - patient_id INT, NOT NULL
 - Other Fields
 - sender_name VARCHAR, NOT NULL

- form_status VARCHAR, NOT NULL
- form_message VARCHAR, NOT NULL

Description of database

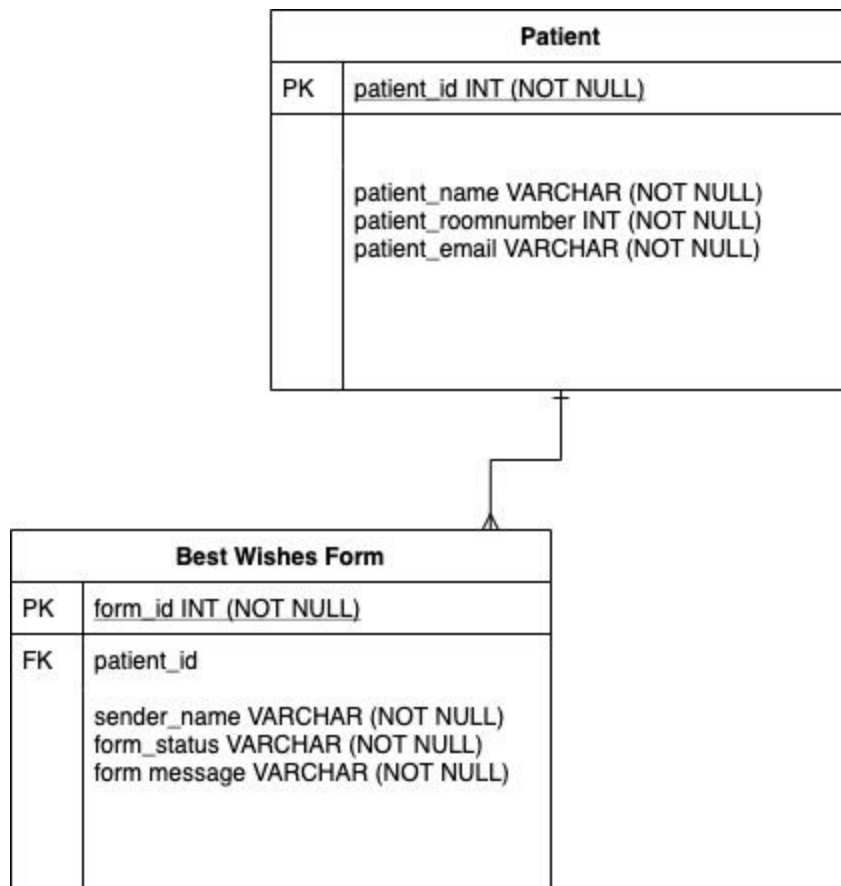
- A Send Best Wishes Form cannot exist without a patient attached
- There can be many forms to one patient but not many patients to one form
- The details for the image in the slideshow is available in the images table

Entity Relationship Diagrams

Slideshow ERD

Image	
PK	<u>image_id</u> INT (NOT NULL)
	image_title VARCHAR (NOT NULL) image_description VARCHAR (NOT NULL) image_alttext VARCHAR (NOT NULL) image_url VARCHAR (NOT NULL)

Send Best Wishes E-Greeting ERD



User Stories

(Pulled from draft Web Architecture requirements document)

Slideshow

End User (Non-registered)

- An unregistered website visitor to the homepage can view slideshow images that automatically rotate between intervals.

Admin User (Registered)

- A logged in admin user will be able to add, preview, edit, and delete images in the slideshow. Admin has full permissions.

Send Best Wishes E-Greeting Form

End User (Non-registered)

- An unregistered end user can create, read, edit and delete (if they no longer want to send) an e-message to be sent to a patient through a form. The form will submit information (that has information for both sender and patient) and the intended message.

Admin User (Registered)

- A logged in admin essentially moderates messages. He/she will be able to read messages that are submitted by the end user, edit if they wish, and delete a message once it's sent to the patient.

Entity Relationships & Justifications

One to Many Relationships

- One patient to many send best wishes forms
 - **Justification:** Multiple forms can belong to a patient
 - Mya has a form that was sent to her by her best friend Sally and another form that was sent to her by her mom
- One category for many furniture products
 - **Justification:** Different furniture products can belong to the same category
 - The Lola Roo Two Seater, Gemma Lounge Chair, Fuxxy Executive Chair and Gemma Lounge Chair belong to the Chairs category
 - Both the Emma Executive Desk and Slate Writing Desk belong to the Tables Category

Admin Functionality Justifications

Image Slideshow

	Guest	Patient	Staff	Admin
Visibility				
Sees Slideshow	Yes	Yes	Yes	Yes
Creates Slideshow	No	No	No	Yes
Reads Slideshow	Yes	Yes	Yes	Yes
Updates Slideshow	No	No	No	Yes
Deletes Slideshow	No	No	No	Yes

Send Best Wishes E-Greeting Form

	Guest	Patient	Staff	Admin
Visibility				
Sees E-Greeting Message	Yes	Yes	No	Yes
Creates Message	Yes	No	No	Yes
Reads Message	Yes	Yes	No	Yes
Updates Message	Yes	No	No	Yes
Deletes Message	Yes	No	No	Yes

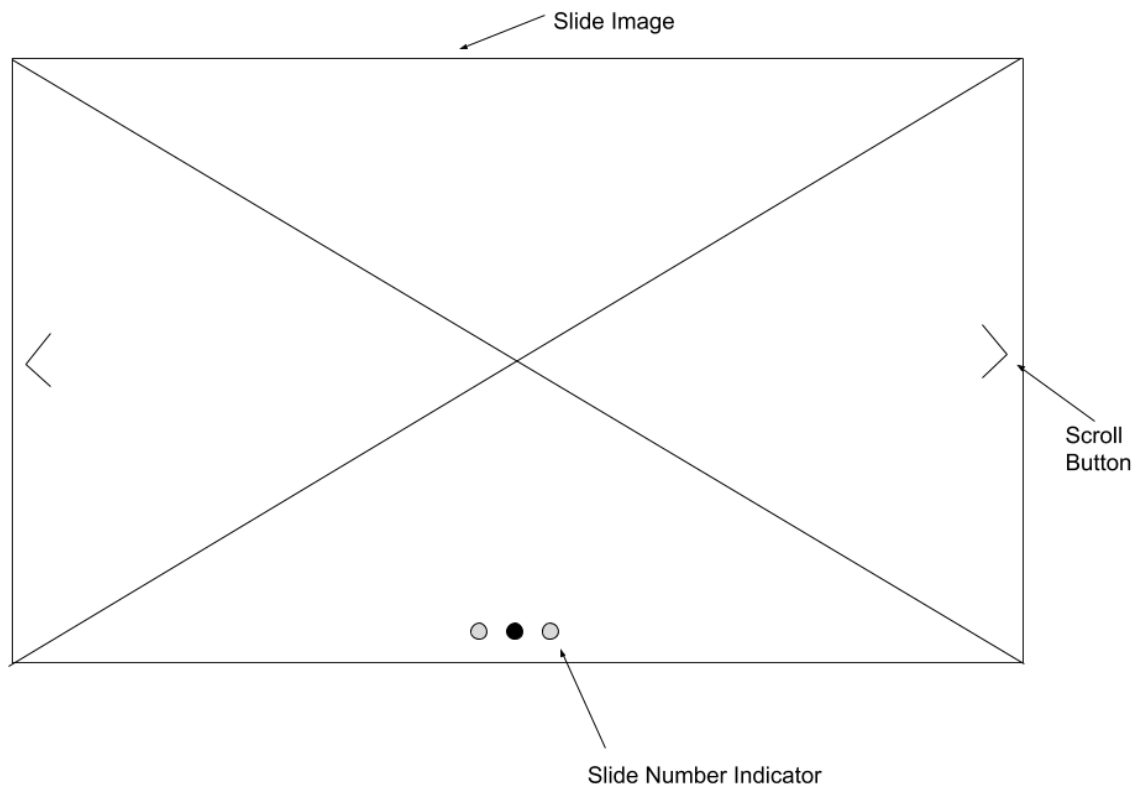
Wireframes

Pulled from draft Web Architecture requirements doc

Slideshow

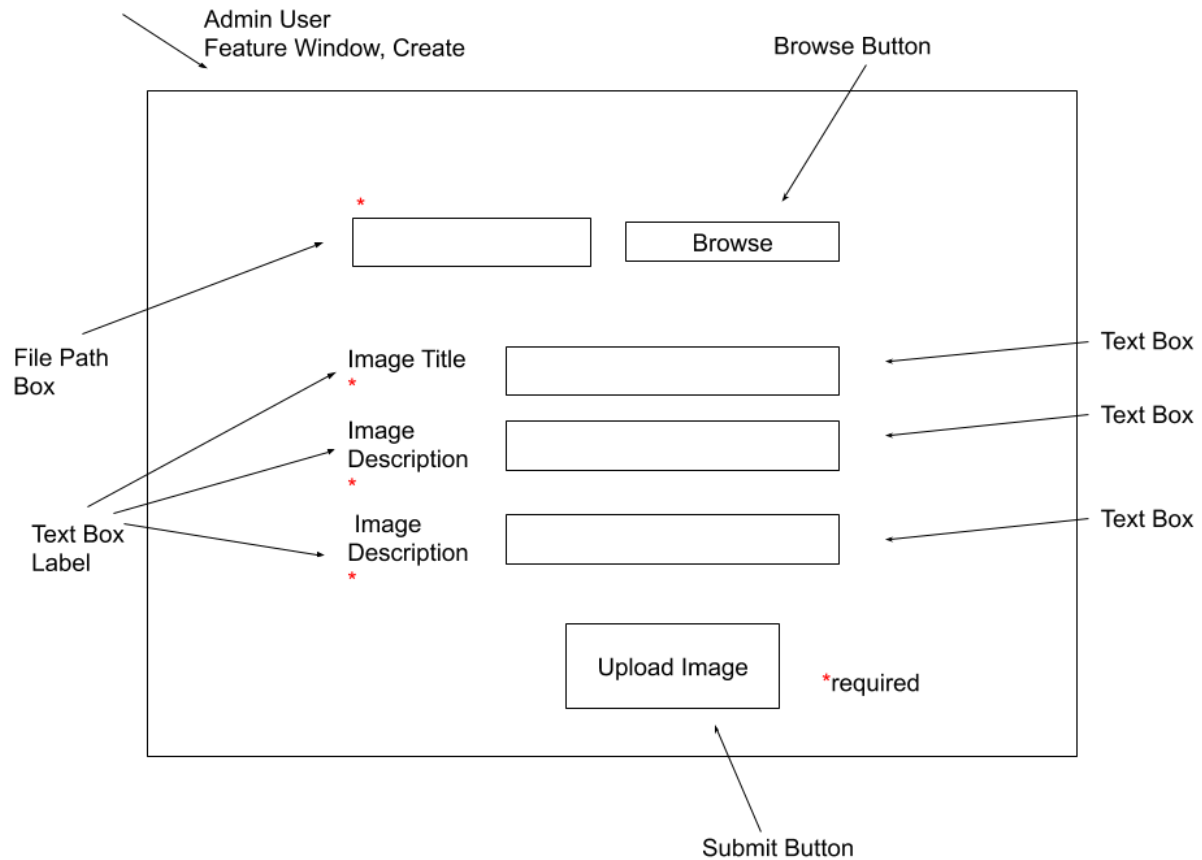
End User - Version 1.0

An unregistered website visitor to the homepage can view slideshow images.



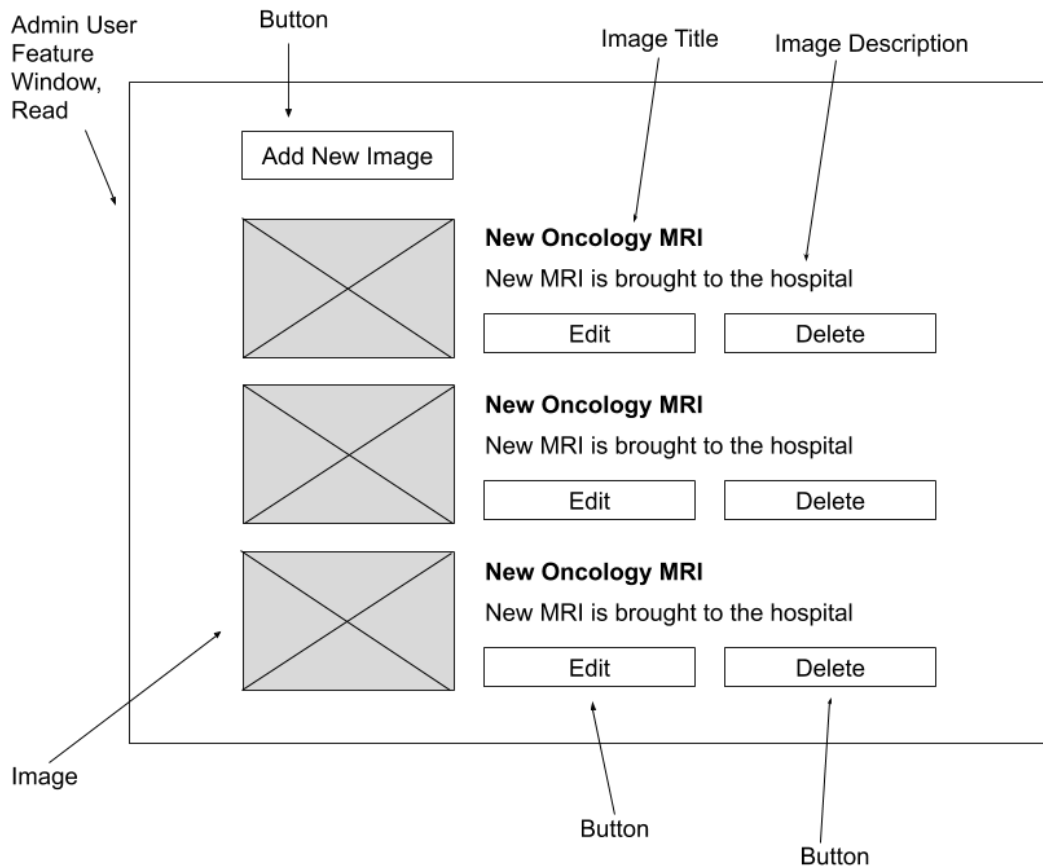
Admin User - Version 1.0

Create View - A logged in admin user can upload a new image and provide a title and short description for the image.



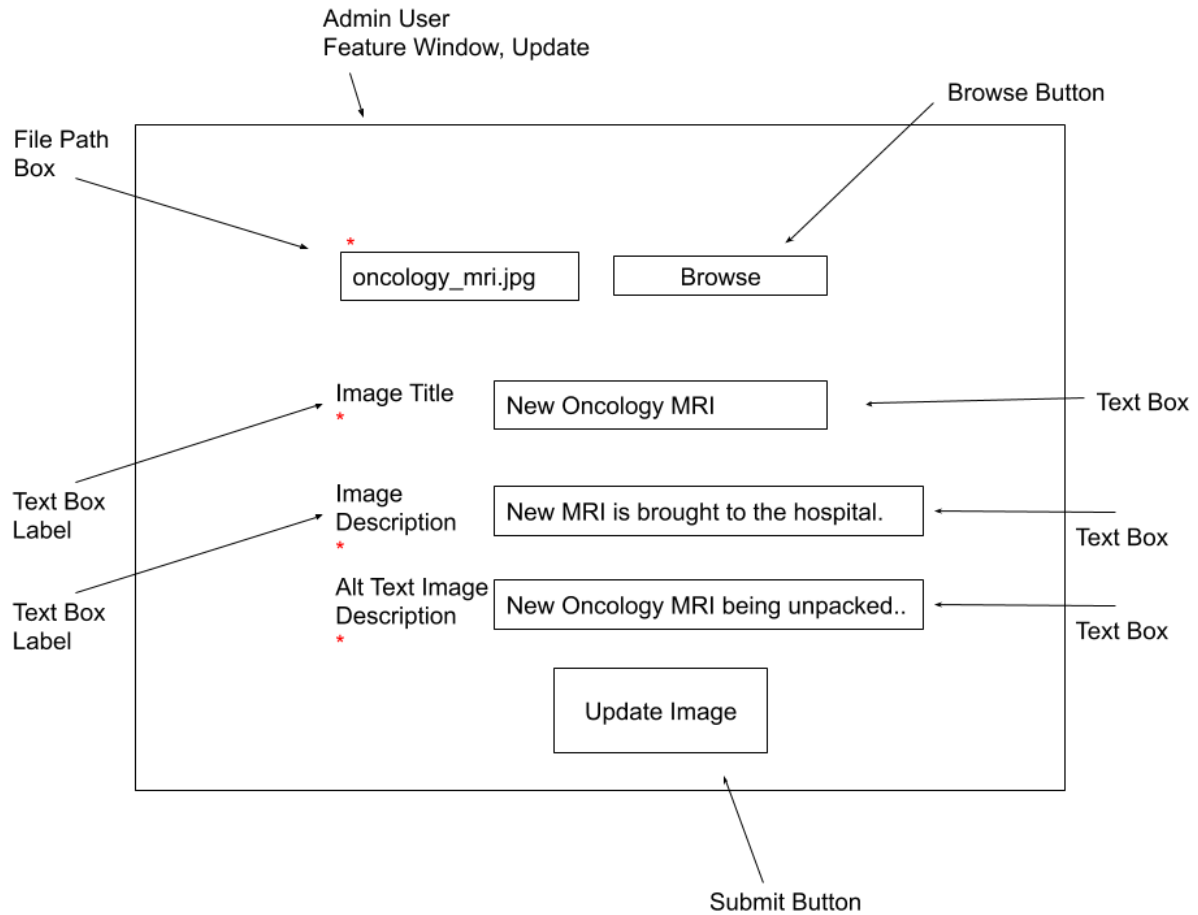
Admin User - Version 1.0

Read View - A logged in admin user can preview the uploaded image with a list of all the other uploaded images.



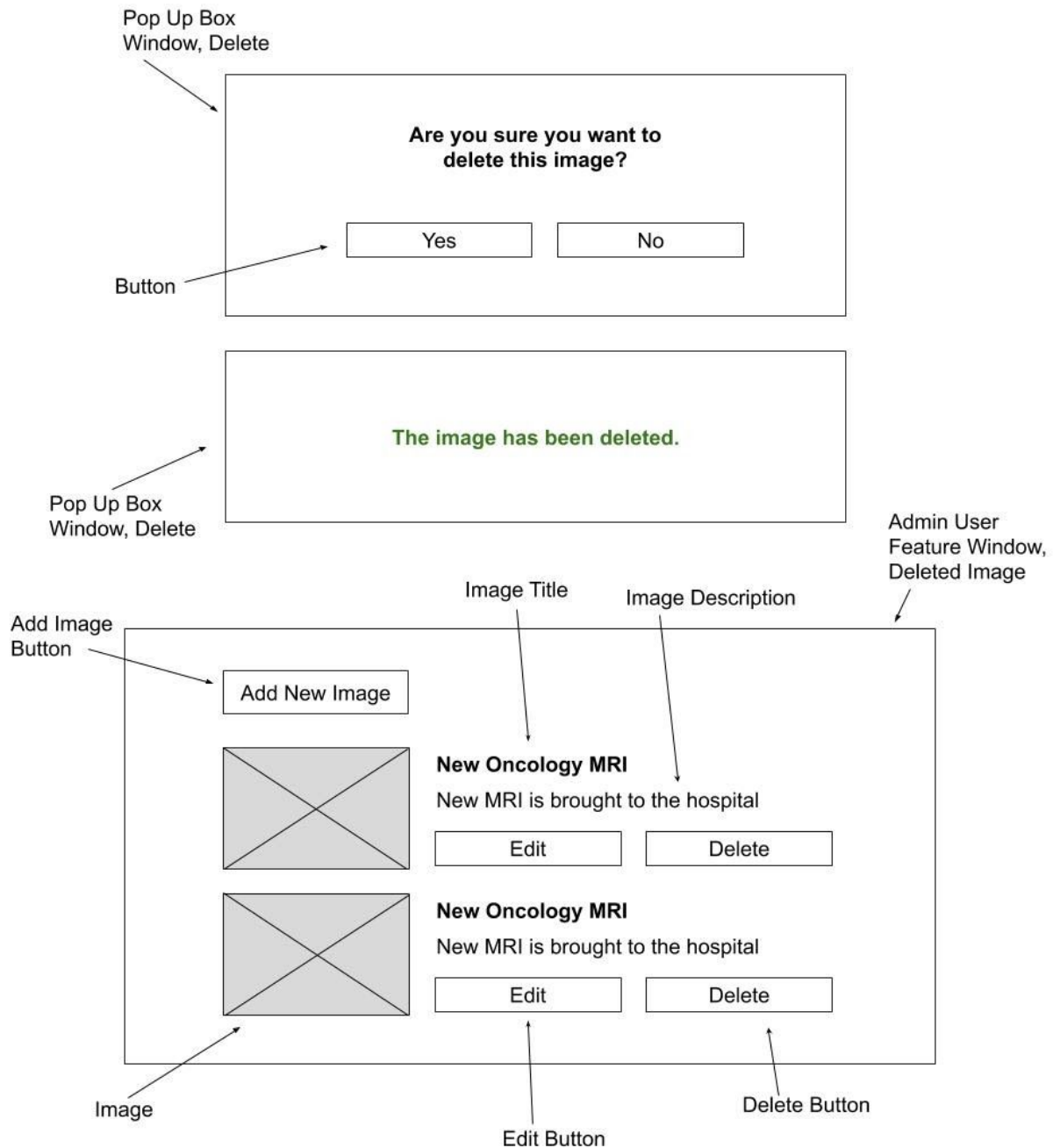
Admin User - Version 1.0

Update View - A logged in admin user can edit an image if the image they uploaded is incorrect or needs the title or description changed.



Admin User - Version 1.0

Delete View - A logged in admin user can delete an image if they no longer need it.



Wireframes

Send Best Wishes E-Message

End User - Version 1.0

Create - An unregistered end user can create an e-message.

End User
Feature Window, Create

Name

Email

Patient Name

Room #

Message

Send Message *required

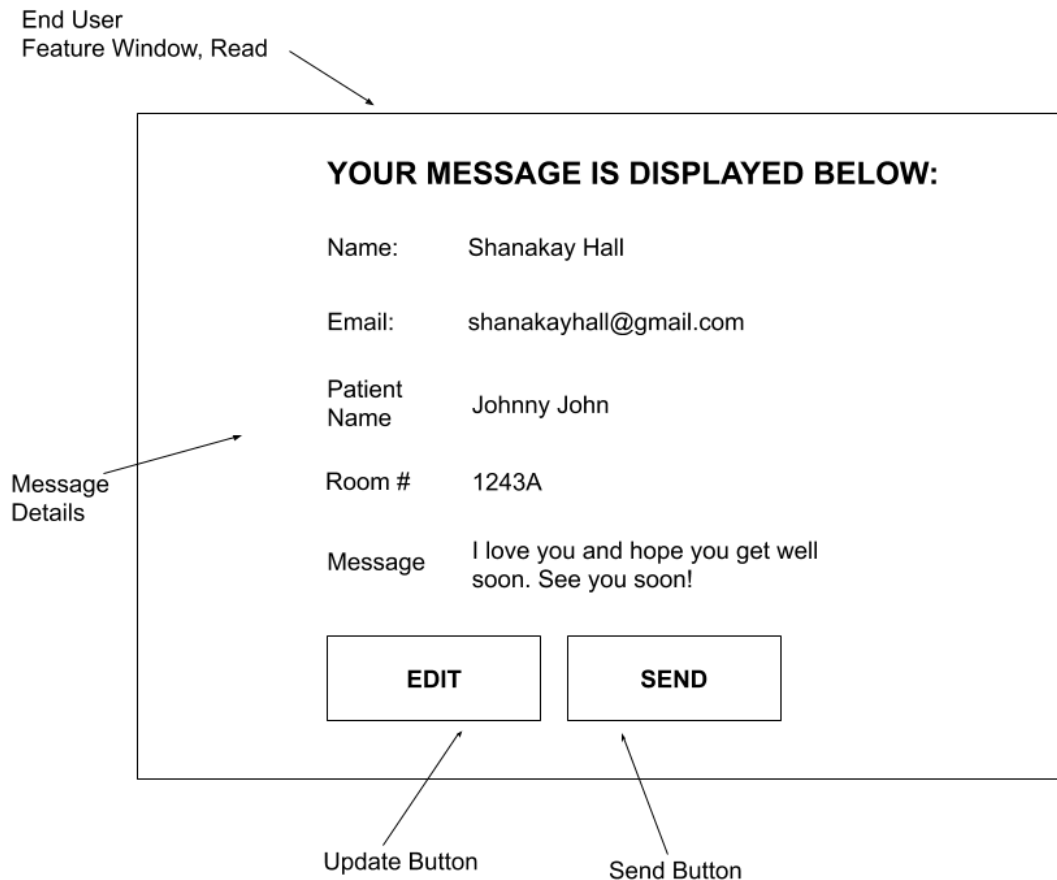
Text Box Label

Text Box

Submit Button

End User - Version 1.0

Read - An unregistered end user can read/preview their e-message before submitting.



End User - Version 1.0

Update - An unregistered end user can update the message if they need to.

End User
Feature Window, Update

Name *

Email *

Patient Name *

Room #

Message *

Send Message *required

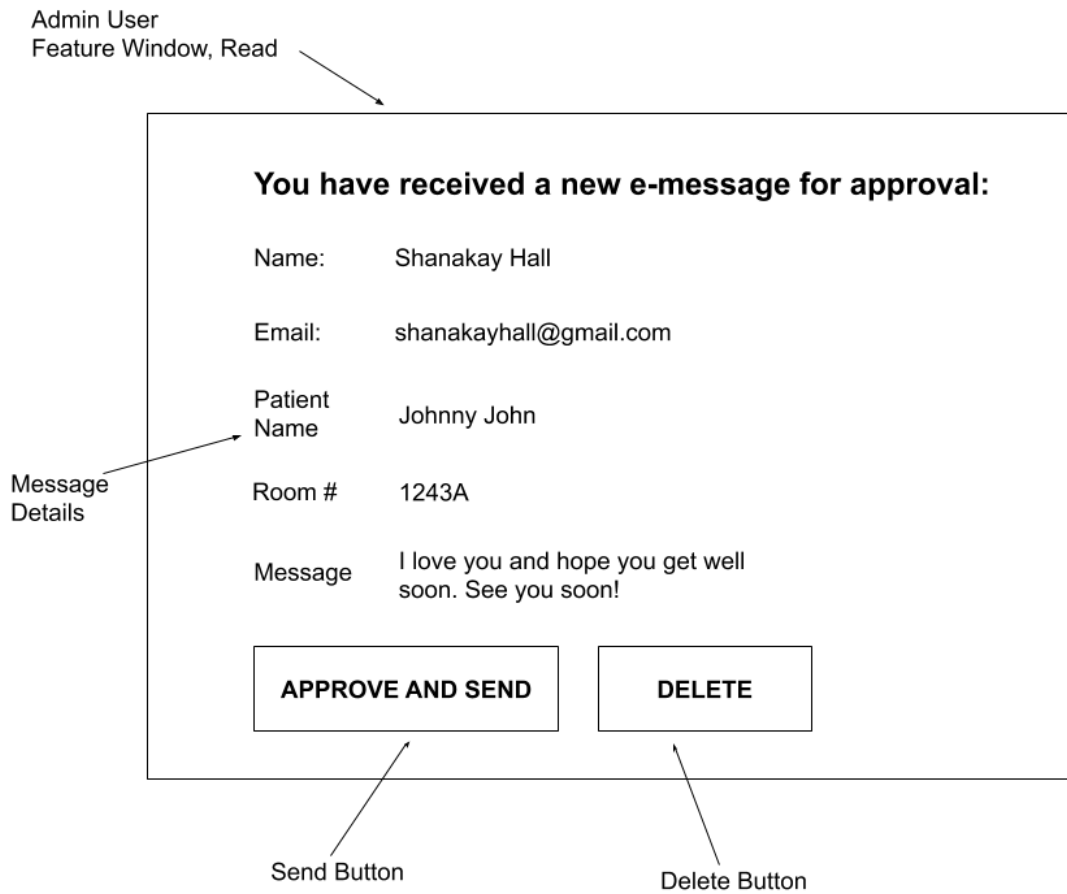
Text Box Label

Text Box

Submit Button

Admin User - Version 1.0

Read - A logged in admin user can read submitted e-messages.



Admin User - Version 1.0

Delete - A logged in admin user can delete sent messages from the system.

