HTTP 5204 - Hospital Project
Shanakay Hall

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
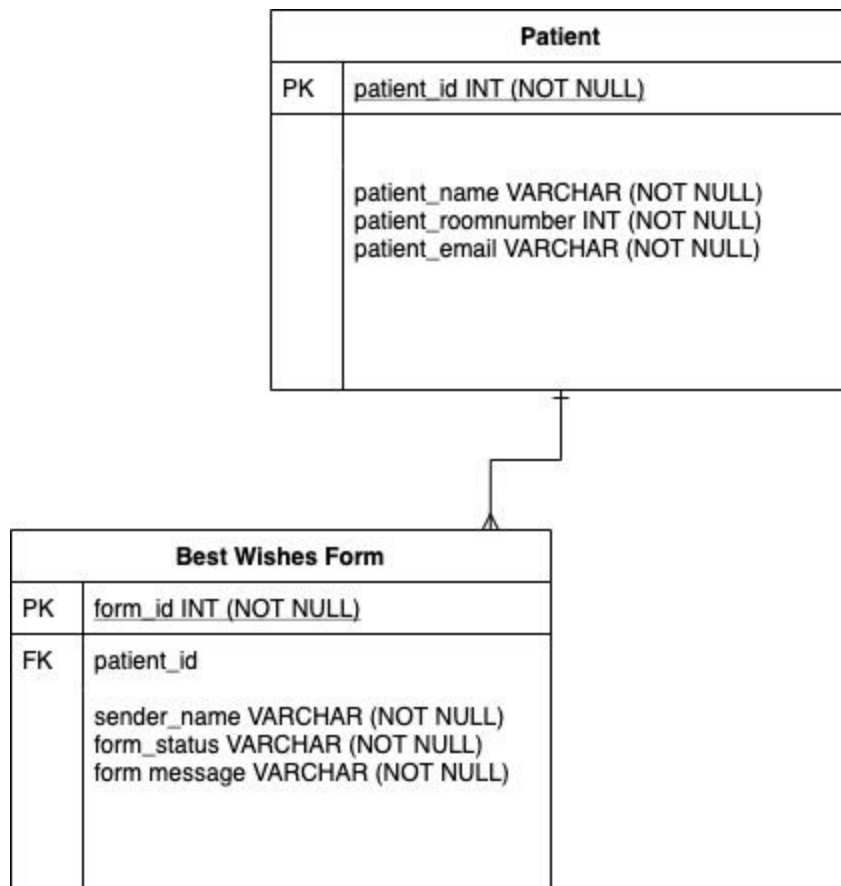   - form_message VARCHAR, NOT NULL

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	image_id 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

Patient	
PK	patient_id INT (NOT NULL)
	patient_name VARCHAR (NOT NULL) patient_roomnumber INT (NOT NULL) patient_email VARCHAR (NOT NULL)

Best Wishes Form	
PK	form_id INT (NOT NULL)
FK	patient_id sender_name VARCHAR (NOT NULL) form_status VARCHAR (NOT NULL) form message VARCHAR (NOT NULL)

User Stories

Slideshow

End User (Non-registered)

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

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 an e-message to be sent to a patient through a form.

Admin User (Registered)

- A logged in admin user will be able to read messages that are submitted by the end user, edit, and delete messages.

Patient

End User (Non-registered)

- A patient can view and update parts of their patient profile.

Admin User (Registered)

- A logged in admin can create, read, update and delete a patient profile.

Entity Relationships & Justifications

One to Many Relationships

- **Justification:** A patient can have multiple messages
  - 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 to One Relationships

- **Justification:** A form can only have one patient attached
  - The form for Kelly can only be attached to her and show up once under her profile

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	Yes	Yes
Creates Message	Yes	No	No	Yes
Reads Message	Yes	Yes	Yes	Yes
Updates Message	Yes	No	No	Yes
Deletes Message	Yes	No	No	Yes

Patient

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

Wireframes - Slideshow

End User - Read View
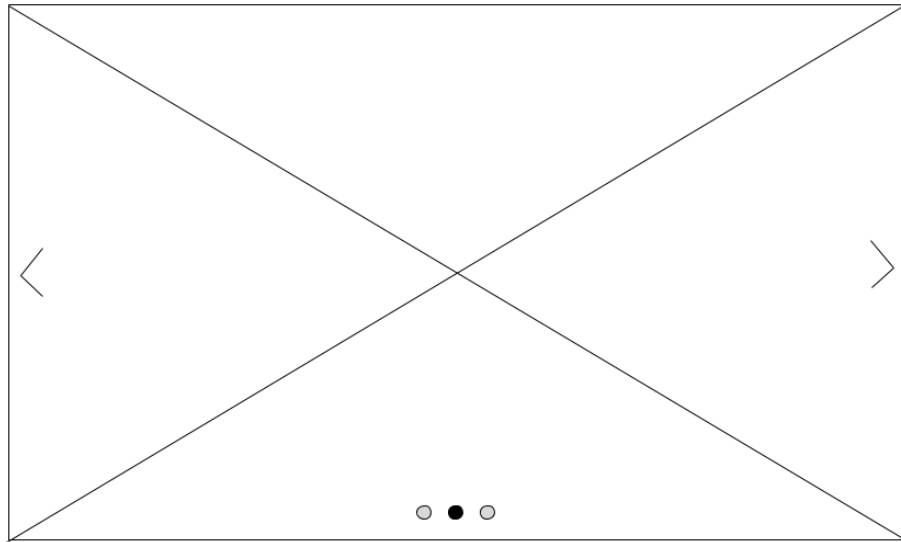
Admin User - Create View
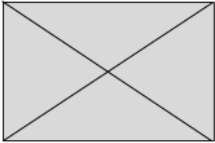
Admin User - Read View

Add New Image
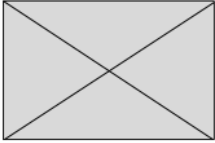
New Oncology MRI

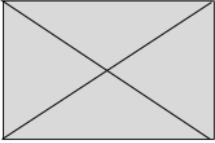New MRI is brought to the hospital

Edit   Delete

New Oncology MRI

New MRI is brought to the hospital

Edit   Delete

New Oncology MRI

New MRI is brought to the hospital

Edit   Delete

Admin User - Update View

*

| oncology_mri.jpg | | Browse |

Image Title
*
New Oncology MRI

Image
Description
*
New MRI is brought to the hospital.

Alt Text Image
Description
*
New Oncology MRI being unpacked..

Update Image

Admin User - Delete View

Are you sure you want to
delete this image?

Yes   No

The image has been deleted.

Wireframes - Send Best Wishes E-Message

End User - Create View

Name
*

Email
*

Patient Name
*

Room #

Message
*

Send Message   *required

End User - Read View

YOUR MESSAGE IS DISPLAYED BELOW:

Name: Shanakay Hall

Email: shanakayhall@gmail.com

Patient
Name   Johnny John

Room #   1243A

Message   I love you and hope you get well
              soon. See you soon!

EDIT	SEND

End User - Update View

Name
*
<div>Kay Kay Hall</div>

Email
*
<div>shanakayhall@gmail.com</div>

Patient Name
*
<div>Johnny John</div>

Room #
<div>1347B</div>

Message
*
<div>I love you and hope you...</div>

<div>Send Message</div> *required

End User - Delete View

Are you sure you want to
delete this message?

Yes	No

The message has been deleted.

Admin User - Read

You have received a new e-message for approval:

Name: Shanakay Hall

Email: shanakayhall@gmail.com

Patient
Name   Johnny John

Room #   1243A

Message   I love you and hope you get well
               soon. See you soon!

| APPROVE AND SEND | DELETE |

Admin User - Update

You have received a new e-message for approval:

Name: | Shanakay Hall

Email: | shanakayhall@gmail.com

Patient Name | Johnny John

Room # | 1243B

Message | I love you and hope you get well soon. See you soon!

APPROVE AND SEND   DELETE

Admin User - Delete

Message Status: Sent

Name: Shanakay Hall

Email: shanakayhall@gmail.com

Patient Name Johnny John

Room # 1243A

Message I love you and hope you get well soon. See you soon!

DELETE

Are you sure you want to delete this message?

Yes | No

The message has been deleted.

Wireframes - Patient

End User - Read View

Profile: Kelly May

Name: Kelly May

Diagnosis: Heart Condition

Get Well   We Love You!   ⬇
Wishes

Room #   1243A

Email   kellymay@gmail.com

Update Profile

End User - Update View

Name
*   Kelly Maye

Diagnosis
*   Heart Condition

Get Well
Wishes   We Love You!   ⬇
*

Room #   1243A

Email
*   kellymaye@gmail.com

Update Profile   *required

Admin User - Create View

Name
*
Kelly May

Diagnosis
*
Heart Condition

Get Well
Wishes
*
We Love You! ⬇

Room #
1243A

Email
*
kellymay@gmail.com

| Update Profile | Delete Profile |

*required

Admin User - Read View

Profile: Kelly May

Name: Kelly May

Diagnosis: Heart Condition

Get Well | We Love You!   ⬇ |
Wishes

Room #   1243A

Email   kellymay@gmail.com

| Update Profile |

Admin User - Update View

Name
*

Kelly Maye

Diagnosis
*

Diabetes

Get Well
Wishes
*

We Love You!

Room #

1243A

Email
*

kellymaye@gmail.com

| Update Profile | Delete Profile |

*required

Admin User - Delete View

Are you sure you want to delete
this patient profile?

| Yes | No |

The profile has been deleted.