Training exercise for beginner full-stack developer

Write a simple CRUD (Create, Read, Update, Delete) program.

Technologies required:
- Frontend: ReactJS, Material UI.
- Backend: Java spring boot, RESTful API.
- Database: Postgres newest version.

Database design

Table: patient

patient				
#	Colunm	Type	Nullable	
1	#patient_id	bigint	not null	Primary Key
2	name	varchar (255)	not null	
3	gender	varchar (50)	not null	
4	age	int	not null	
5	email	varchar (50)	null	
6	phone_number	varchar(50)	not null	
7	created_at	timestamp	not null	
8	updated_at	timestamp	not null	

1. Homepage

Screen 1: Show list of patients
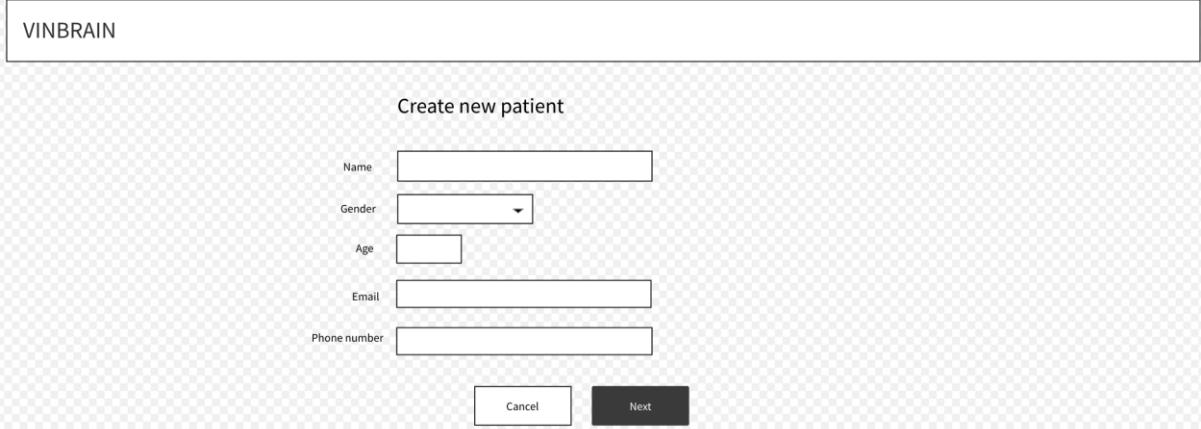
2. Create new patient

Screen 1: Show Create new patient page if click button "Create Patient"
- Email, Phone number, email show be verify
- Click "Cancel" -> go to home page.
- Click "Next" -> go to screen Create new patient confirm

VINBRAIN

Create new patient

Name

Gender

Age

Email

Phone number

Cancel   Next

Screen 2: Create new patient confirm
- Click "Back" -> go to previous screen (Create new patient screen)
- Click "Save" -> Save then go to Create new patient success

VINBRAIN

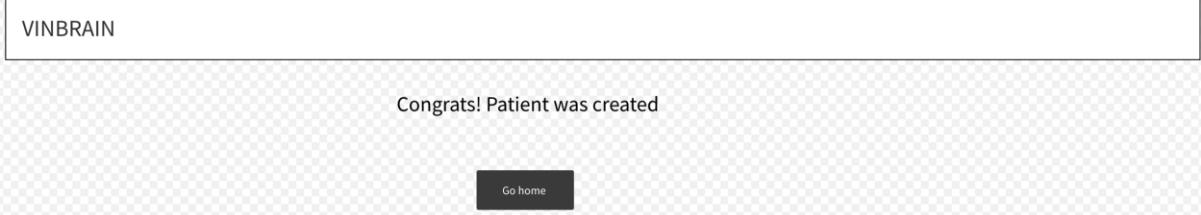Create new patient confirm

Name *   Nguyen Van A

Gender *   Male

Age *   16

Email

Phone number   0921345726
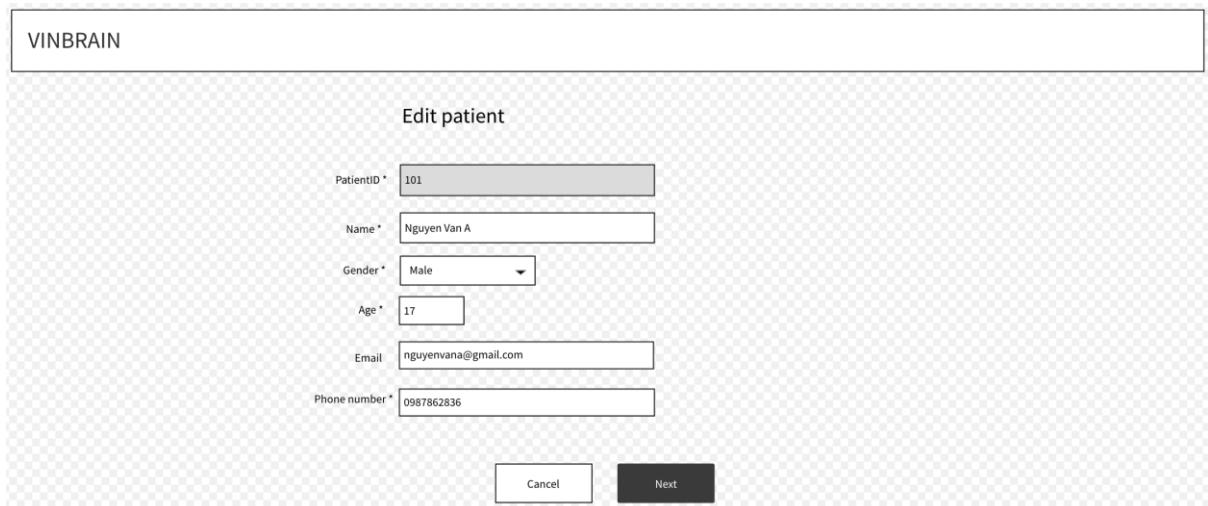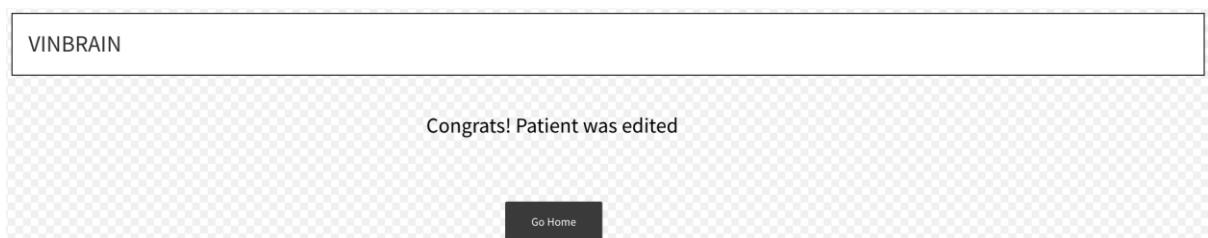
Back   Save

Screen 3: Success notification

VINBRAIN

Congrats! Patient was created

Go home

3. Edit patient

Screen 1: Edit patient screen, show when lick edit link on list of patient.
- Email, Phone number, email show be verify
- Click "Cancel" -> go to home page.
- Click "Next" -> go to screen Edit patient confirm

Screen 2: Edit patient confirm
- Click "Back" -> go to previous screen (Edit patient screen)
- Click "Save" -> Save then go to Edit patient success

Screen 3: Edit patient success

4. Delete patient

When click delete button, show confirm popup.
- Click "Yes": delete patient from database, close popup, reload list.
- Click "Cancel": close popup