Assignment 6

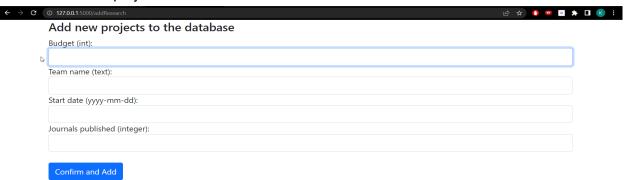
Genetic research institute database - This is a database to keep record of patients, samples, their DNA sequences, funding organizations, employees etc. for the smooth organization and functioning of the institute.

By executing app.py, the web page will be hosted locally on our device.

Home page of the webapp will consist of the list of researches that are involved with the genetic institute. Updation, Insertion, Deletion options are available.



Clicking on the "Add new research projects" button will lead to another page asking for details of the new research project.



Filling the details and clicking on "confirm and Add" will add the project details to the home page and a dialogue box pops up showing the project is added.



Upon clicking on update



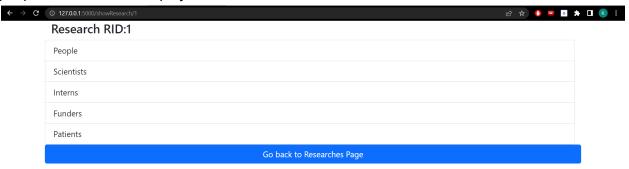
After modifying the details, changes will be made and an updated dialogue box pops up.



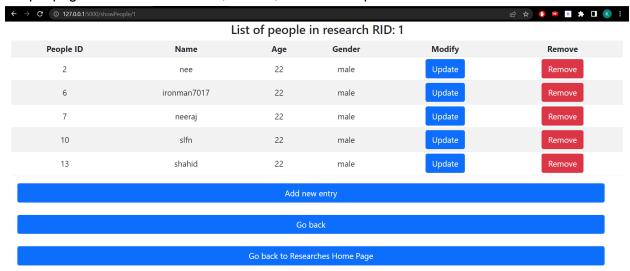
Removing the research project by clicking on the remove button of the research record.



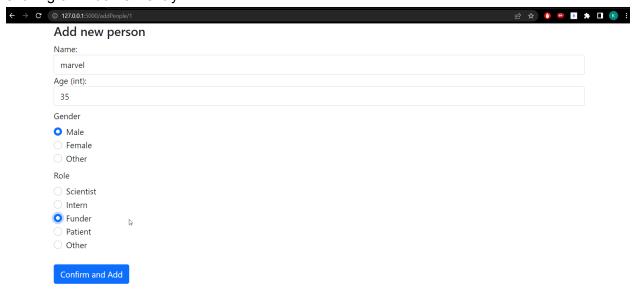
Clicking on the rid of the researches listed, will lead to a page showing different categories of people involved with the project.



Clicking on any of the categories will lead to a page with a list of people in the department. People page lists all the scientists, interns, funders and patients related with



Clicking on "Add new entry":



Selecting on which role the newly added person belongs to will lead to different pages asking for more details of the person. For example choosing the role of the person as Funder leads to this page.



After confirming, the newly added person will be seen in the list of people. Going back to the below page and clicking on 'Funders', we can see that a funder is also added. Similarly, if the new person added is a scientist or intern or patient, he/she will be added in the respective category too.



We can also add new funders/scientists/interns/patients from their respective category too.

Suppose we delete a person from the people category, he/she will be removed from the list of funders/scientists/interns/patients depending on his role. Let's see this below in an example. We will delete the person named Marvel from the list of people. Since she is a funder, she will also be removed from the list of funders.

List of people in research RID: 1								
People ID	Name	Age	Gender	Modify	Remove			
2	nee	22	male	Update	Remove			
6	ironman7017	22	male	Update	Remove			
7	neeraj	22	male	Update	Remove			
10	slfn	22	male	Update	Remove			
13	shahid	22	male	Update	Remove			
25	marvel	35	male	Update	Retmove			
Add new entry								
Go back								
Go back to Researches Home Page								

	Li	st of people i	n research RI	D: 1	
People ID	Name	Age	Gender	Modify	Remove
2	nee	22	male	Update	Remove
6	ironman7017	22	male	Update	Remove
7	neeraj	22 🔉	male	Update	Remove
10	slfn	22	male	Update	Remove
13	shahid	22	male	Update	Remove
		Add nev	v entry		
		Go b	ack		
		Go back to Resear	ches Home Page		
deleted!!! x					

The funder 'Marvel' is deleted from the list of funders too which can be seen in the below pic.

List of funders in research RID: 1

People ID Name Transaction ID Amnt funded Date of funding Modify Remove

Add new entry

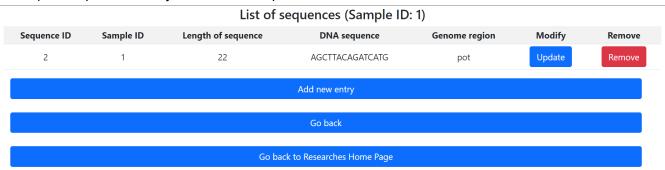
Go back

Go back to Researches Home Page

To open the list of samples of a respective patient and insert/update/delete new samples associated with that patient, click on the respective person id of the patient (hyperlinked) in the list of patients which will open the list of samples (refer below pic) where one can perform the required operations or just view the samples.



To open the list of sequences of a respective sample and insert/update/delete new sequences associated with that sample, click on the respective sample id of the sample (hyperlinked) in the list of samples which will open the list of sequences (refer to below pic) where one can perform the required operations or just view the sequences.



If one deletes a sample, the sequences associated with that sample will also be deleted.