

STUDENT REGISTRATION SYSTEM

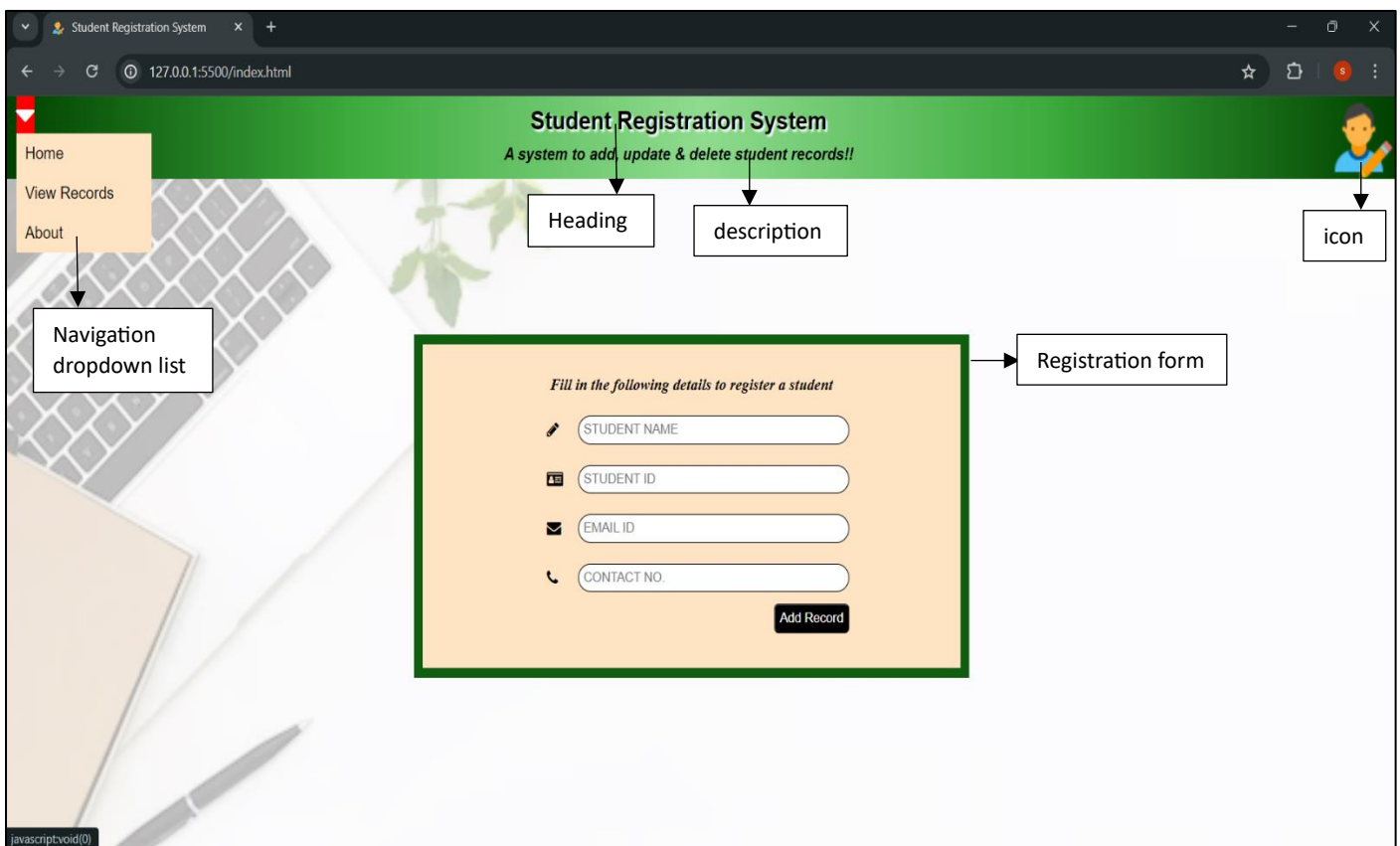
System to add, delete and update student record

1. File Structure:

Name		Date modified	Type	Size
.git		31-05-2024 17:03	File folder	
css	→ CSS stylesheet	26-05-2024 19:05	File folder	
documentation		31-05-2024 17:10	File folder	
html	→ HTML files	29-05-2024 16:39	File folder	
images		25-05-2024 15:51	File folder	
js	→ Javascript files	30-05-2024 13:35	File folder	
index	→ Index.html	30-05-2024 13:33	Chrome HTML Do...	4 KB

2. Pages:

index.html -> Home page



viewRecords.html -> View records page.

Student Registration System
A system to add, update & delete student records!!

The records are arranged in ascending order

Name	ID	E-mail	Mobile No.	Edit Record	Delete Record
Neha	002	neha111@gmail.com	7777777771	Edit	Delete
Sangita	003	sangita111@gmail.com	7777777772	Edit	Delete
Rohan	004	rohan59@gmail.com	7777777774	Edit	Delete
Priya	005	priya59@gmail.com	7777777775	Edit	Delete
Anusha	006	anu111@gmail.com	7777777777	Edit	Delete
Karan	007	k111@gmail.com	7777777778	Edit	Delete
Daniel	008	dan@g.in	9999999999	Edit	Delete
Elizabeth	010	elle@g.in	9090909090	Edit	Delete

Dynamic scroll bar

Records Table

Edit record button

Delete record button

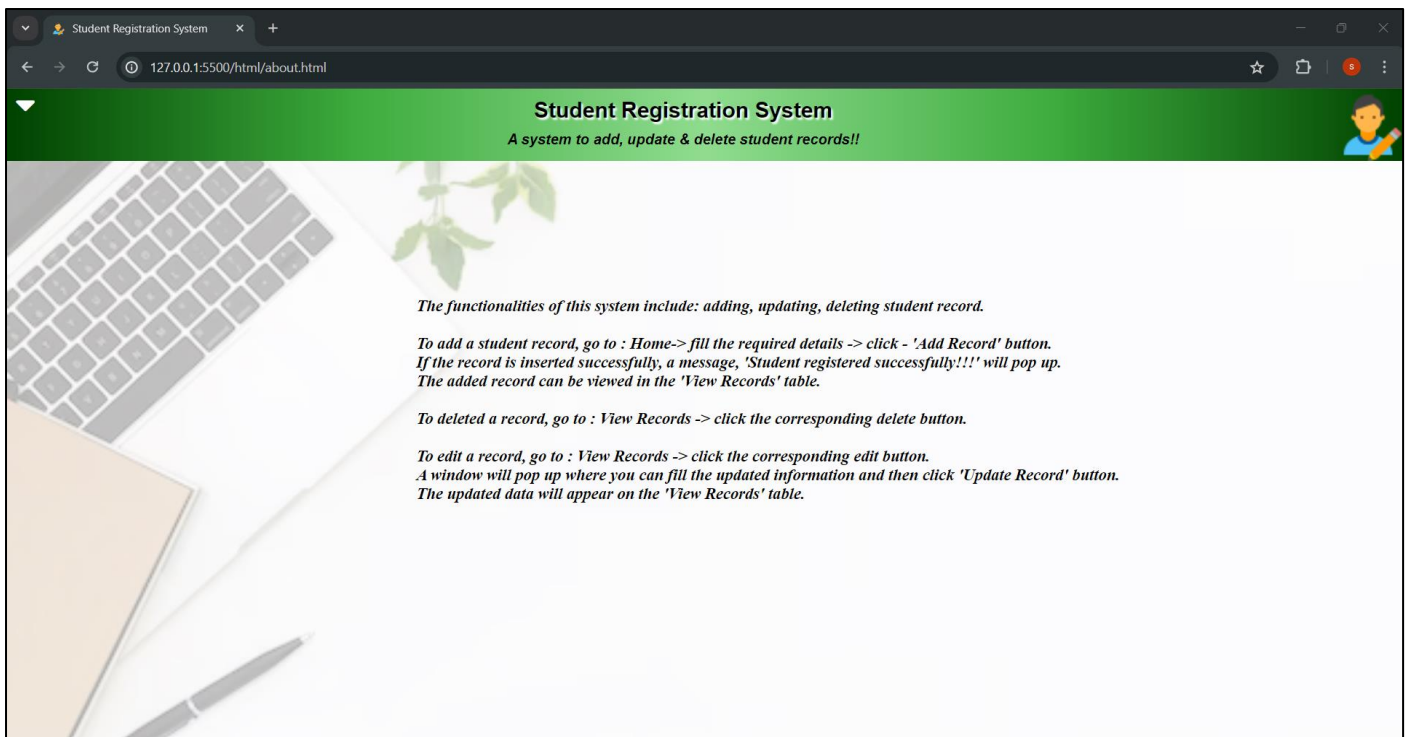
On clicking edit button, a form to enter updated information opens, as shown below:

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Name	ID	E-mail	Mobile No.	Edit Record	Delete Record
Neha	002	neha111@gmail.com	7777777771	Edit	Delete
Sangita	003	sangita111@gmail.com	7777777772	Edit	Delete
Rohan	004	rohan59@gmail.com	7777777774	Edit	Delete
Priya	005	priya59@gmail.com	7777777775	Edit	Delete
Anusha	006	anu111@gmail.com	7777777777	Edit	Delete
Karan	007	k111@gmail.com	7777777778	Edit	Delete
Daniel	008	daniel111@g.in	9999999999	Edit	Delete
Elizabeth	010	elle@g.in	9090909090	Edit	Delete

Update Record

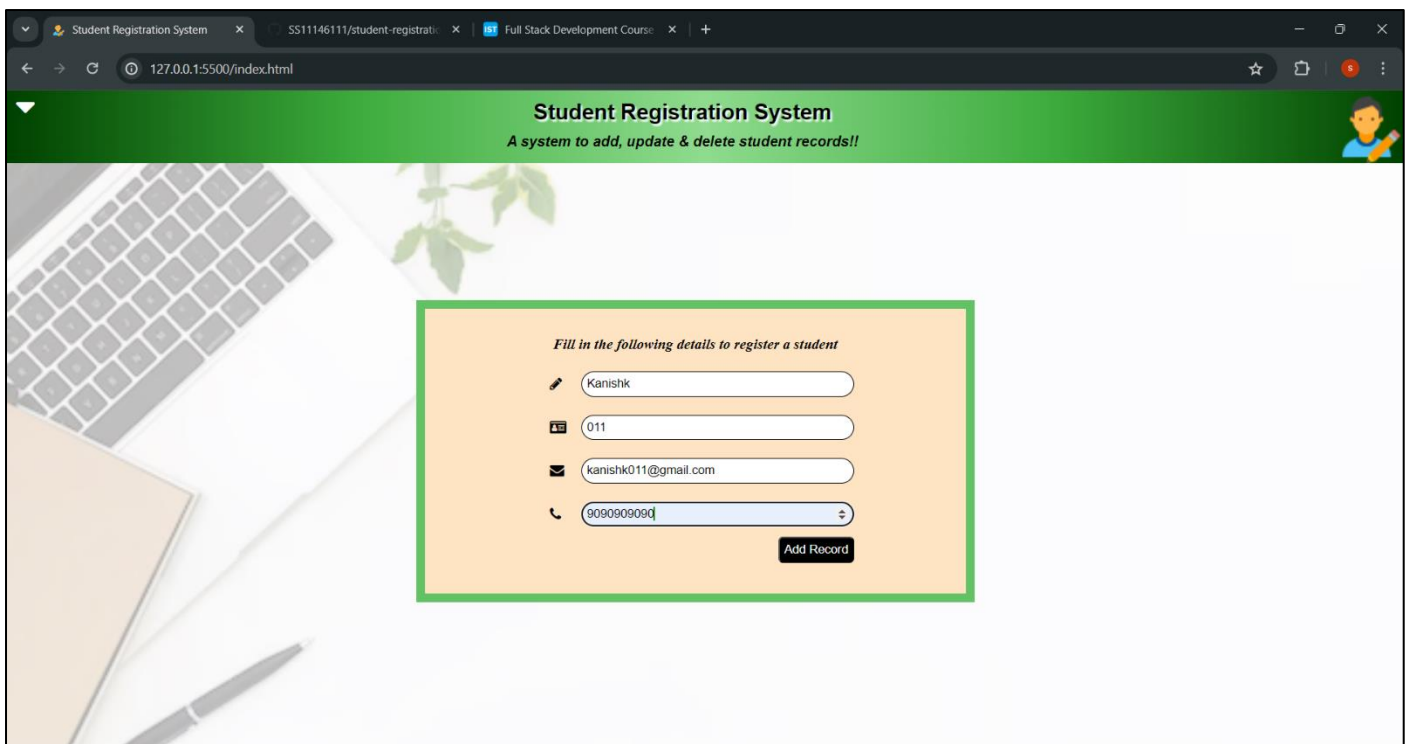
about.html -> about page: shows a brief description of the system



3. Functionalities:

a. **Add a record-**

To add a record, go to - Home, fill in the form details, click 'Add Record'. The added record will appear in View Records table.



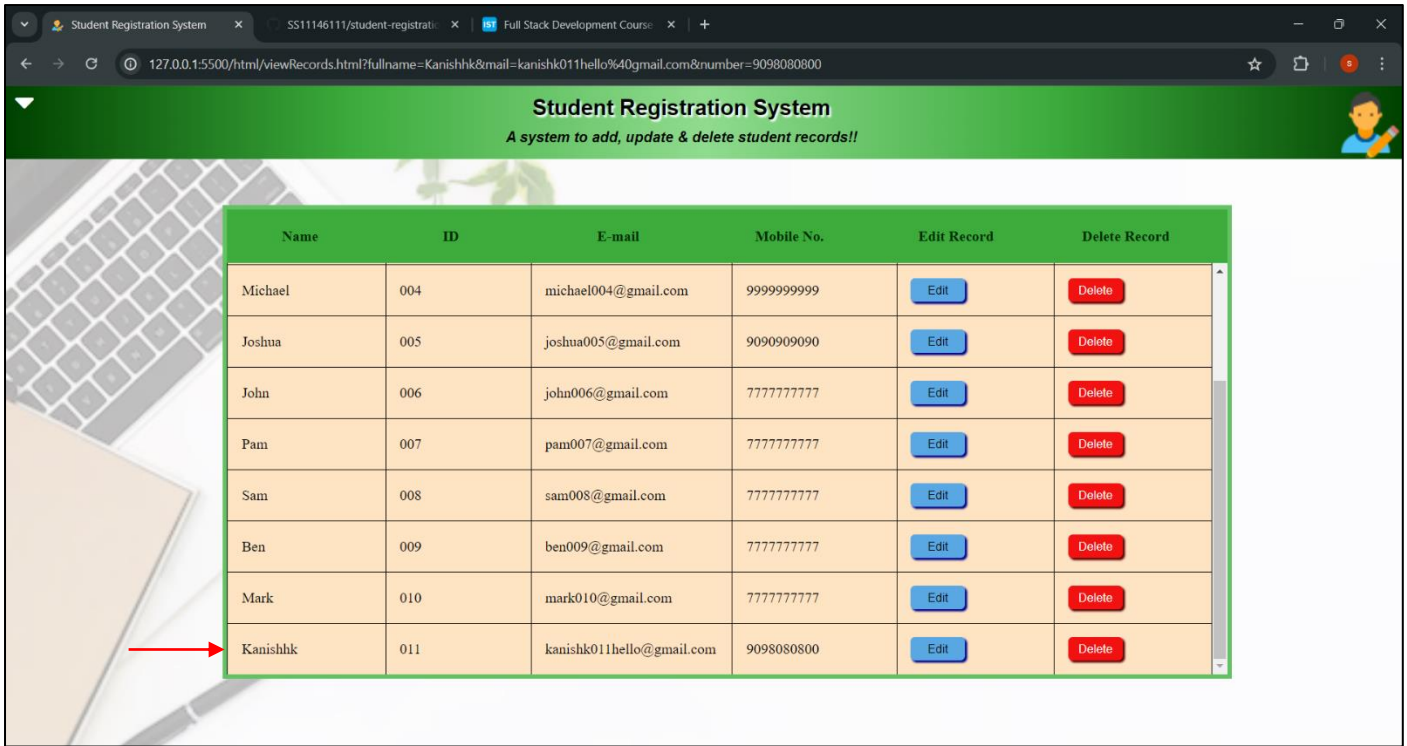
Name	ID	E-mail	Mobile No.	Edit Record	Delete Record
Michael	004	michael004@gmail.com	999999999	<button>Edit</button>	<button>Delete</button>
Joshua	005	joshua005@gmail.com	909090909	<button>Edit</button>	<button>Delete</button>
John	006	john006@gmail.com	777777777	<button>Edit</button>	<button>Delete</button>
Pam	007	pam007@gmail.com	777777777	<button>Edit</button>	<button>Delete</button>
Sam	008	sam008@gmail.com	777777777	<button>Edit</button>	<button>Delete</button>
Ben	009	ben009@gmail.com	777777777	<button>Edit</button>	<button>Delete</button>
Mark	010	mark010@gmail.com	777777777	<button>Edit</button>	<button>Delete</button>
Kanishk	011	kanishk011@gmail.com	909090909	<button>Edit</button>	<button>Delete</button>

index.js contains the code for adding a new record. The details from the form fields are collected into an object (formData) which is merged with the existing array of records (storedFormData.push(formData);) and then stored in localStorage, (localStorage.setItem('formData', JSON.stringify(storedFormData)));). Student id is considered unique. Duplicate records by student id does not get added

b. Edit a record –

Go to 'View Records', click the corresponding edit button, a window will pop up where you can fill the updated information and then click 'Update record'. The updated record will appear in View Records table.

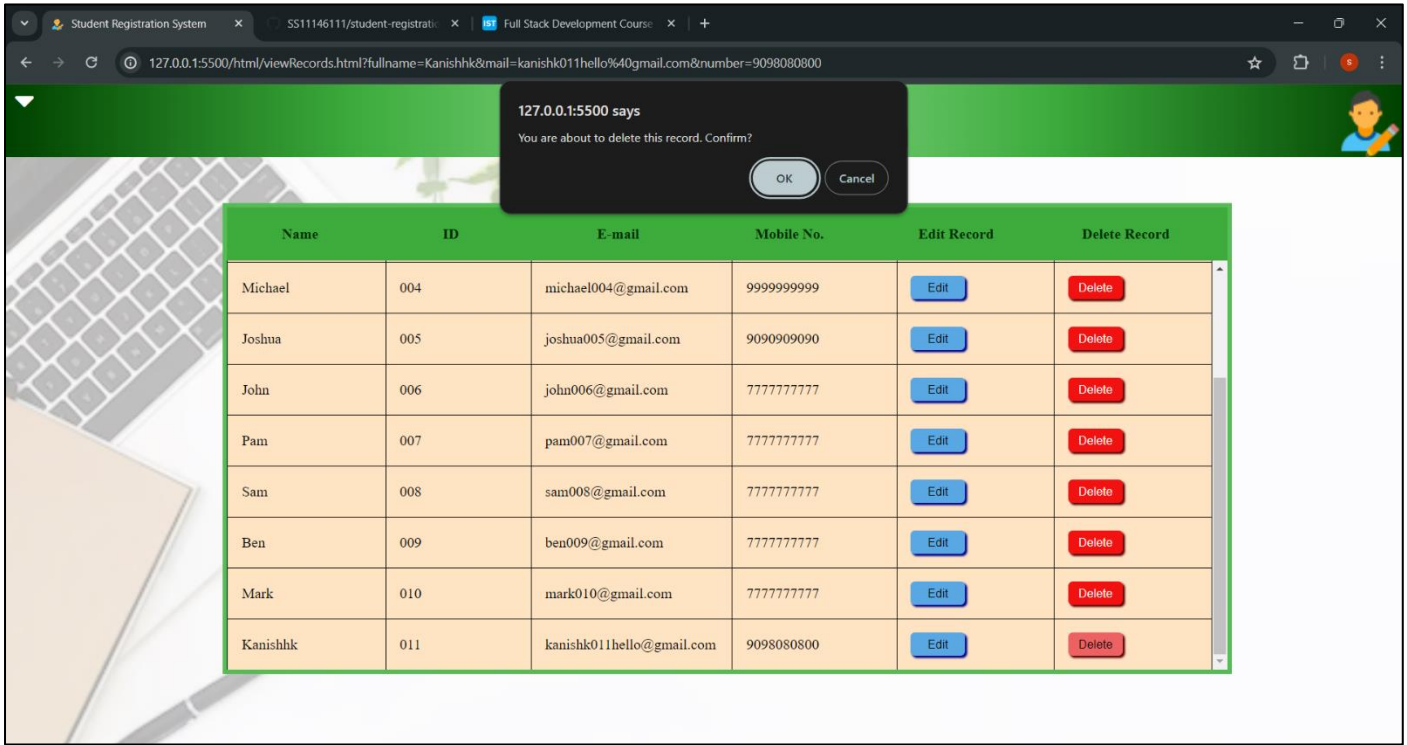
Name	ID	E-mail	Mobile No.	Edit Record	Delete Record
Michael	004	michael004@gmail.com	999999999	<button>Edit</button>	<button>Delete</button>
Joshua	005	joshua005@gmail.com	909090909	<button>Edit</button>	<button>Delete</button>
John	006	john006@gmail.com	777777777	<button>Edit</button>	<button>Delete</button>
Pam	007	pam007@gmail.com	777777777	<button>Edit</button>	<button>Delete</button>
Sam	008	sam008@gmail.com	777777777	<button>Edit</button>	<button>Delete</button>
Ben	009	ben009@gmail.com	777777777	<button>Edit</button>	<button>Delete</button>
Mark	010	mark010@gmail.com	777777777	<button>Edit</button>	<button>Delete</button>
Kanishk	011	kanishk011@gmail.com	909090909	<button>Edit</button>	<button>Delete</button>

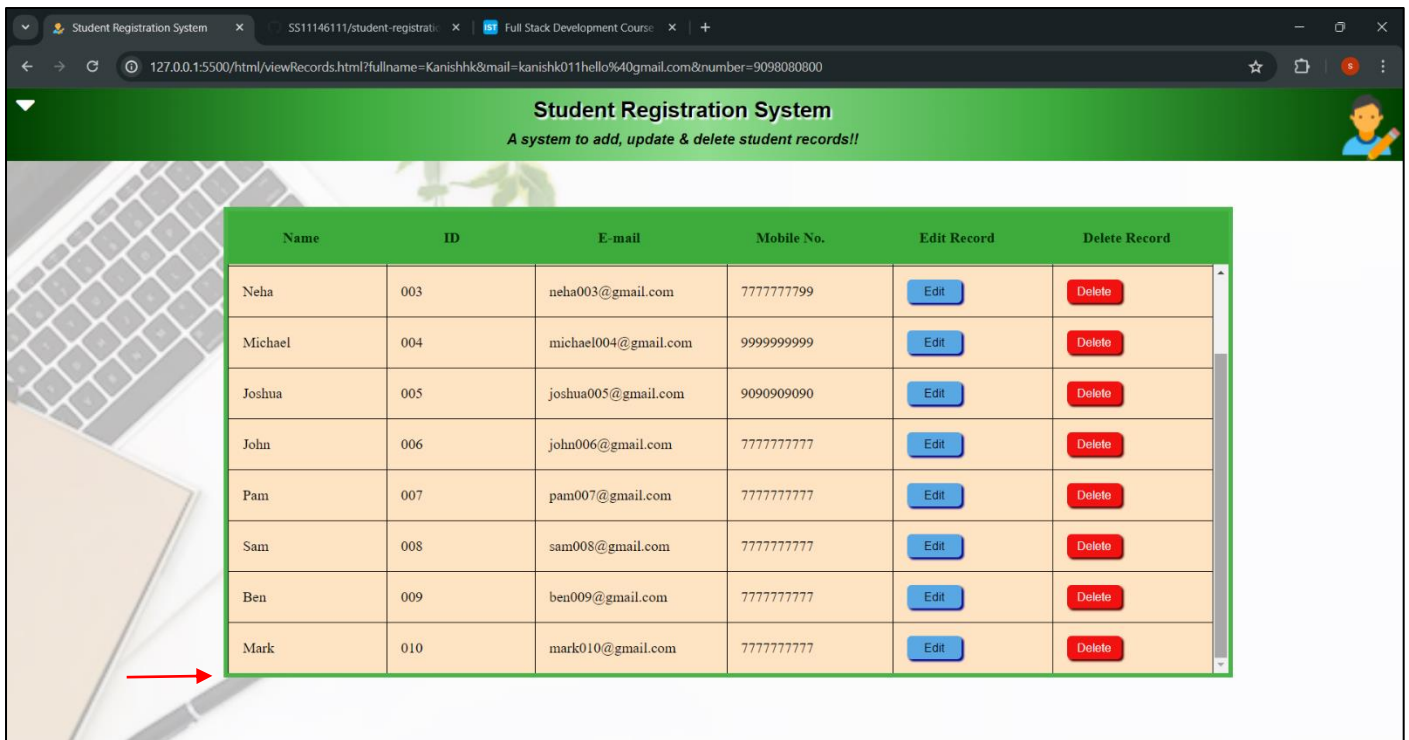


viewRecords.js (line 45 onwards), contains the code to edit/update a record. When the edit button is clicked, position(index) in the table of the record to be edited is obtained. The existing records are fetched(currentData). The edit form is displayed to obtain the updated information and the updated information is collected in an object (updatedData). This updated data is merged with the existing data (`currentData.splice(index, 1, updatedData);`) and stored in localStorage(`localStorage.setItem("formData", JSON.stringify(currentData));`)

c. Delete a record –

Go to View Records, Click the corresponding delete button, confirm the delete action.





viewRecords.js (line 27 to 44) contains the code to delete a record. When the delete button is clicked, first the parent node and the student id of the record to be deleted is obtained. Then a confirm message is shown to confirm the delete action. On confirmation, the record is removed from the table using the parent node (`parent.remove()`). The existing records are fetched and the record to be deleted is filtered out (`existingData = existingData.filter((d) => d.sid !== deleteRecordId)`) and then stored in localStorage (`localStorage.setItem("formData", JSON.stringify(existingData))`).

GITHUB LINK: <https://github.com/SS11146111/student-registration-system.git>