Flask Project on Profile Creation
using
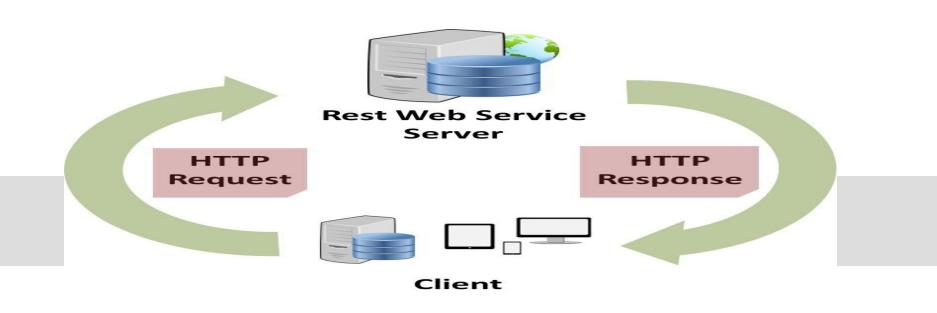HTML and Python

Presented by
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ABSTRACT

Profile creation using HTML as front end, python as a language for **CRUD** operation with MySQL as Database.

OBJECTIVE

The main objectives of this project is:

To understand and develop the skills in designing a dynamic Web Page using HTML.

Architecture Diagram

❑ Data Transfer from Front End HTML Page to backend MySQL DB through a REST model XAMPP WEB Service deployed using a local host.

System Requirements

Hardware

- ❏ Processor - Intel core duo or higher
- ❏ RAM   - 4GB minimum
- ❏ Disk   - 500 GB
- ❏ Monitor   - 15" color with VGI card
- ❏ Speed   - Min 500MHz

Software

- ❏ OS   - Windows-10 for emulator
- ❏ Editor- Visual Studio
- ❏ IDLE -   Python
- ❏ Server - XAMPP

Functional Description

1. CRUD (Create)

During first time entry, an HTML page accepts first name, last name, gender, mobile number and date. Any number of records can be created.

Facility is incorporated in DB design to have Row ID as Auto Increment so that the primary key is the row id which is not visible as a column. So no need for validation on the uniqueness of the record.

Functional Description

2. CRUD (Read/Update)

To inquire about a record, a JINJA template in HTML is used and records are displayed with hyperlink reference for editing an existing record and deleting a record from the database in the home page.
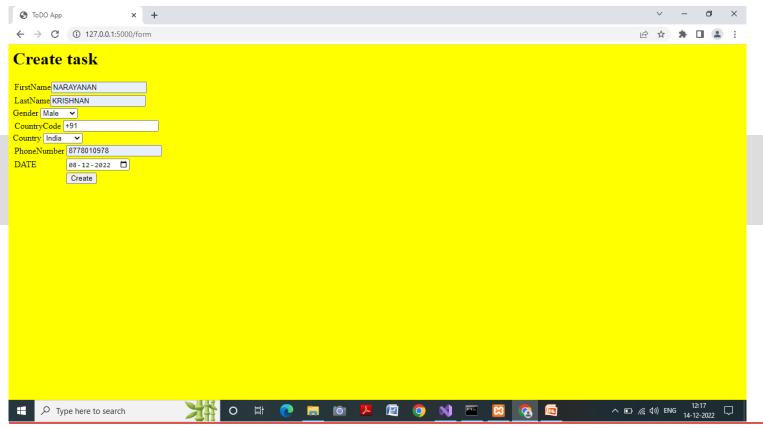
The same screen is used for Editing/Modifying an existing record in the DB.

Functional Description

3. CRUD (Delete)

To delete a record, a JINJA template in HTML is used and records are displayed with hyperlink reference for editing an existing record and deleting a record from the database in the home page and deletion is done through this page with no other extra page to navigate.

Screens

Creation :

Screens

Creation : Created Entries showing in the Home Page

Screens

Read / Select: Records shown in Command Prompt

Screens

Read / Update:

Screens

Update : Updated Entries showing in the Home Page

Screens

Update : Updated Entries showing in the Database

Screens

Delete : Deleted Entries not showing in the Home Page

Screens

Delete : Deleted Entries not showing in the Database

Screens

Delete: Deleted Records shown in Command Prompt


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127.0.0.1 - - [14/Dec/2022 13:40:43] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [14/Dec/2022 13:40:46] "GET /delete/23 HTTP/1.1" 302 -
((24, 'VijayKumar', 'S', 'male', '', 9784568440, datetime.date(2022, 12, 6)), (26, 'Gayathri', 'S', 'female', '', 7894675896, datetime.date(2022, 1, 28)), (27, 'Ajay',
'C', 'male', '', 7234458901, datetime.date(2022, 12, 22)), (28, 'GOPIKUMAR', 'S', 'male', '', 3459927567, datetime.date(2022, 12, 28)), (30, 'GOPIKUMAR', 'NAMBISAN', 'm
ale', '', 7010853231, datetime.date(2022, 12, 14)), (31, 'NARAYANAN', 'K', 'male', '', 6379448112, datetime.date(2022, 12, 29)), (32, 'PADMA', 'N', 'Female', '', 877801
0978, datetime.date(2022, 12, 14)), (33, 'Janaki', 'S', 'Female', '', 9941041440, datetime.date(2022, 12, 7)), (36, 'GOPIKRISHNAN', 'V', 'Male', '', 3459927567, datetim
e.date(2022, 12, 26)), (37, 'NARAYANAN', 'KRISHNAN', 'Male', '', 8778010978, datetime.date(2022, 12, 8)), (38, 'GIRISHKUMAR', 'V', 'Male', 'India', 9941041440, datetime
.date(2022, 12, 1)), (39, 'GIRISHKUMAR', 'NARAYANAN', 'Male', 'India', 9941041440, datetime.date(2022, 11, 28)))
127.0.0.1 - - [14/Dec/2022 13:40:46] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [14/Dec/2022 13:40:47] "GET /delete/24 HTTP/1.1" 302 -
((26, 'Gayathri', 'S', 'female', '', 7894675896, datetime.date(2022, 1, 28)), (27, 'Ajay', 'C', 'male', '', 7234458901, datetime.date(2022, 12, 22)), (28, 'GOPIKUMAR',
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440, datetime.date(2022, 12, 7)), (36, 'GOPIKRISHNAN', 'V', 'Male', '', 3459927567, datetime.date(2022, 12, 26)), (37, 'NARAYANAN', 'KRISHNAN', 'Male', '', 8778010978,
datetime.date(2022, 12, 8)), (38, 'GIRISHKUMAR', 'V', 'Male', 'India', 9941041440, datetime.date(2022, 12, 1)), (39, 'GIRISHKUMAR', 'NARAYANAN', 'Male', 'India', 994104
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1440, datetime.date(2022, 11, 28)))
127.0.0.1 - - [14/Dec/2022 13:41:07] "GET / HTTP/1.1" 200 -
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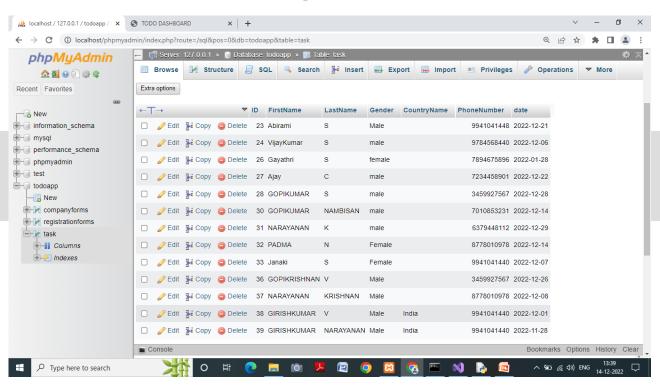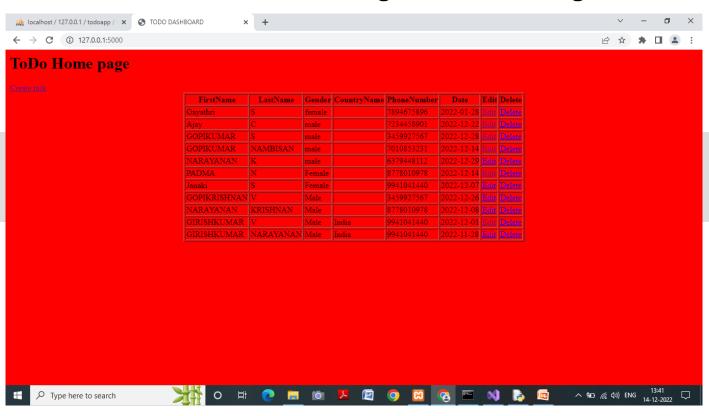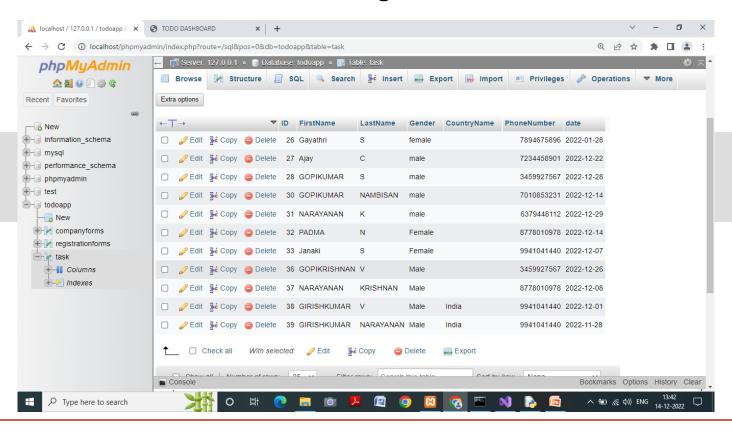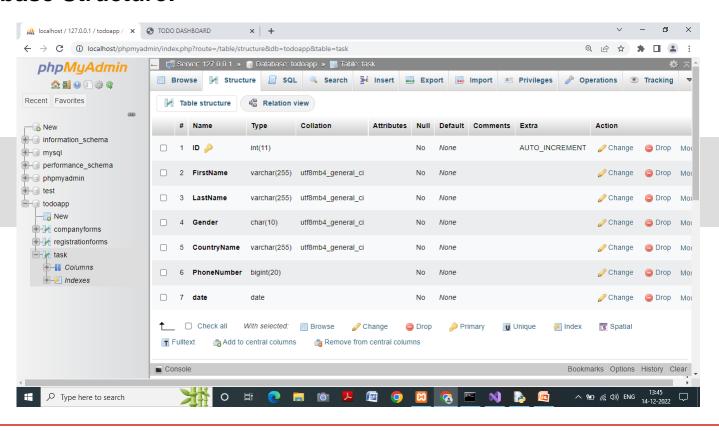
Screens

Database Structure:

Thank You