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About me: I am a software professional having 9+ years of experience. My current position is Senior System Engineer in Oracle Plsql.

Description

This small application can collaborate sponsors and influencers on the same page.

Sponsors can create campaigns and search for perfect influencers to execute those campaigns.

Influencers can search for campaigns with their strength and can get paid.

Admin can check the activities of sponsors and influencers. Admin can control the app for avoiding frauds.

Technologies Used

- **SQLite database:** To store admin, influencer, sponsor and campaign details. Also use to log activities of sponsors and influencers.
- **HTML:** For GUI. This is using to take instruction from the use and display the output after processing the information. N MVC architecture, this is using as View.
- **Flask:** This is using to process the information received from user. In MVC architecture, this is using as Controller.
- **Flask SQLAlchemy:** This is using to communicate with database using python. CRUD functionality has been applied by this.
- **API:** To pass the information to display in HTML page.
- **Dictator:** After processing information, this method used to move to required path.
- **Bootstrap:** This is used for designing the web page.
- **Render_Template:** After processing information, this method used to display the required HTML page.
- **Javascript:** Used to execute processes in front end using data provided by APIs.

DB Schema Design

- **User:** This table contains the user information. Table structure is as below:

Column Name	Data Type	Constraints	Purpose
Id	Integer	Primary	Unique identifier of each user
Username	Varchar	Not null	Name of the user
Email	Varchar	Not null	Mail id of the user
Password	Varchar		Password of the user

Active	Boolean		If the user is active or not
Fs_uniquifier	Varchar		Modified password with unique key
User_type	Varchar		Type of the user
Last_login	datetime		Last log in of the user

- **Sponsor:** This table store the information of sponsor. Table structure is as below:

Column Name	Data Type	Constraints	Purpose
Id	Integer	Primary key	Unique identifier of each sponsor
Name	Varchar	Not null	Name of the sponsor
Email	Varchar	Not null	Email of the sponsor
Industry	Varchar		Industry of the sponsor
Budget	Integer		Budget the sponsor has
Bio	Varchar		Description of the sponsor
flagged	Varchar		If the sponsor is flagged or not

- **Influencer:** This table store the information of influencer. Table structure is as below:

Column Name	Data Type	Constraints	Purpose
Id	Integer	Primary key	Unique identifier of the influencer
Name	Varchar	Not null	Name of the influencer
Email	Varchar	Not null	Email of the influencer
Category	Varchar		Category of the influencer
Bio	Varchar		Description of the influencer
Reach	Integer		Reach of the influencer
Flagged	Varchar		If the influencer is flagged or not

- **Campaign:** This table store the information of campaigns. Table structure is as below:

Column Name	Data Type	Constraints	Purpose
id	Integer	Primary key	Unique identifier of each campaign
Name	Varchar	Not null	Name of the campaign
Description	Varchar		Description of the campaign
Start_date	Varchar		Start date of the campaign

End_date	Varchar		End date of the campaign
Industry	Varchar		Industry of the campaign
Budget	Integer		Budget of the campaign
Visibility	Varchar		Visibility of the campaign

- **Spon_Influ_Camp:** This table is link between campaign, sponsor and influencers. Table structure is as below:

Column Name	Data Type	Constraints	Purpose
Id	Integer	Primary key	Unique identifier of each request
Spon_id	Integer		Sponsor id of the request
Influ_id	Integer		Influencer id of the request
Camp_id	Integer		Campaign id of the request
Message	Varchar		Message from the influencer
Status	Varchar		Status of the request
Request_from	varchar		Who send the request

Architecture and Features

Architecture:

- Controller: /MAD2_Project/app.py
- Api: / MAD2_Project/api.py
- Templates: / MAD2_Project/templates
- Database: / MAD2_Project/mad-2.sqlite3

Features Implemented:

- Login: Admin, Sponsor and Influencer can log in through different pages.
- Admin will automatically add when the database will be created for the first time.
- Sponsor can create campaigns and request influencers.
- Influencer can see the requested campaigns and can accept or reject the request.
- Influencers can search campaigns and request sponsors.
- Sponsors can accept or reject the request send by influencers.
- Influencers and sponsors can both update their profile.
- Sponsor can update campaigns.
- Admin can see the details of sponsors and influencers.
- Admin can delete user or flag user to restrict them to use the application.
- Admin needs to approve sponsors to use the application.
- Admin can see number of campaigns completed by each influencer and sponsors.
- Admin can also see number of sponsors, influencers and campaigns are there in this platform.

Video

https://drive.google.com/file/d/1fs0Z3o2gNxAQXKbK5EQpTO5AxqRYUXGM/view?usp=sharing