KARATE WEB APPLICATION

**Introduction**

Karate Web Application is created using Django. Django is a high-level Python web framework that encourages rapid development and clean, pragmatic design. Django was designed to help the developers to take applications from concept to completion as quickly as possible. It takes security seriously and helps to avoid the common security mistakes.

Django is a Python framework that makes it easier to create web sites using Python. It takes care of the difficult stuff so that you can concentrate on building the web applications. It emphasizes the reusability of components and comes with ready-to-use features like login system, database connection, etc.

The important key features that we provided for this web application are:

* Super Login (Admin)
* Multiuser Authentication.
* Secure.
* Scalable.
* Maintainable.

This web application interface is created using Basic HTML, Bootstrap, CSS and JavaScript.

Frame work: Django.

Back End: MySQL.

Modules:

1. ADMIN.
2. USER.

Features provided in Admin Panel:

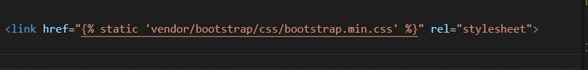
* Admin Login.
* Password reset.
* Admin Dashboard.
* Add & edit gallery folder.
* Add & edit blackbelt-holders category.
* Add affiliation form category.
* Add & edit Carousel.
* Video insertion.

Features provided in User Panel:

* User homepage.
* About.
* Gallery.
* Contact.
* View blackbelt-holders.
* View affiliation form.

Common links and scripts tags used here are:

Links.



Script tags.



MySQL Database Tables:

1. Carousel.
2. Affiliation.
3. Image folder.
4. Images.
5. Blackbelt holders.
6. Videos.

Table Fields:

Carousel

1. Carousel image.
2. Title.
3. Subtitle.

Affiliation

1. Affiliation name.
2. Affiliation image.

Image Folder.

1. Folder name.

Images.

1. Image.
2. Folder id.

Blackbelt holder

1. Register number.
2. Name.
3. Designation.
4. Image.

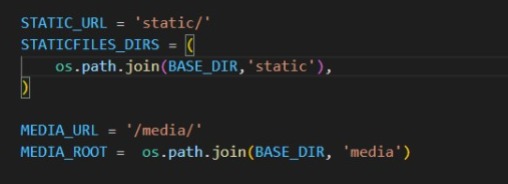
Videos

1. Video link.

Django MySQL Database Connection.

Settings.py.





Install app in settings.py:



Sub modules of Admin:

1. Admin Login.

* We can create the username and password for login the admin panel using superuser- python manage.py create superuser.
* Username: admin. Next you can optionally give the email address.
* At last password: \*\*\*\*\*, then password again:( \*\*\*\*\*). And hence superuser created successfully.

Admin Forgot Password:

If you forgot the password, there are options to change the password by giving **python manage.py change password** in the command line**.** By giving the username or email, it checks whether the username or email entered matches the earlier one, then it will come the option for change password.

Admin login page consists the input fields: Username, Password, Submit button. At the bottom of theses input fields, there is an anchor tag for forgot password and also for back to home.

The forgot password anchor tag redirect to Admin Password Reset page.

1. Admin Password Reset.

Input Fields: E-mail and Submit button.

It first checks whether the entered email exists or not and the condition is true, a link is sent to the corresponding input mail and if the condition is false, an alert occurs that the email doesn’t exist.

After the condition becomes true, open the mail and click the link to reset password and it redirects to the page password-reset. Then, there are input fields for new password and confirm new password and a reset button. After entering and clicking the reset button, it checks the condition that new password and confirm password matches, an alert comes” password changed successfully”. If the condition is false, it shows an alert “password and confirm password doesn’t match” and the input field become clear.

After successfully changing the password, it then redirects to the admin dashboard page.

In the dashboard page, the navigation bar consists of home button that redirects to the main homepage and a logout button.

This section has 4 fields:

* Folder.
* Blackbelt-holders.
* Affiliation.
* Carousel

There is also a field for the insertion of video for about page by pasting the link and add video.

1. Gallery folder creation.

Input fields:

* Folder name.
* Create button
* In order to create a new gallery folder, give the name for the folder and click create button.
* Name field is required,

In this page, at the bottom there is also sections for update and delete, folder and folder details.

Home and logout button in the navigation bar is common for all pages.

1. Folder update.

Input fields:

* Edit Folder name.
* Update button.
* Delete button.
* The update button on the right of corresponding folder will redirects to update-folder page.
* Edit the folder name and click update button.
* Folder name updated successfully and comes back to the folder page.
* Folder name is required field.

Also there is option for delete the folder by clicking the delete button on the right side. By clicking it an alert shows “Are you sure you want to delete? “ and two options yes or no. You can choose the option.

1. Folder details update.

Input fields:

* Image upload.
* Upload button.
* Delete button.
* Corresponding folder click will redirect it to a new page: load image page and we can upload images from the device.
* Multiple image selection and upload is possible at a time.
* Folder name is constant.
* It checks each input field is required.
* The delete button in the bottom of each image helps to delete the corresponding image and before it shows a alert box “Are you sure you want to delete?”. We can choose yes or cancel option.

After upload images in database, the home icon in the navbar redirects to the folder page.

1. Black belt holder.

The black belt holder in the admin dashboard redirects to a load black belts page.

Input fields:

* Add black belt-holders button.
* Register number.
* Name.
* Designation.
* Image upload.
* Save member button.
* Update button.
* Delete button
* Add button click will show a form in order to enter the details like register number, name, designation and upload passport size image.
* Checking all fields are required.
* Images can be chosen from the device.
* Save the details by clicking on save member button.

A card with details of the current members will be shown on the bottom of the page. Update and delete buttons are provided. Delete button click will show an alert “Are you sure you want to delete?” You can choose the option yes or cancel.

Update button redirects to another black belt update html page.

1. Update black belt holders details.

Input fields:

* Register number.
* Name.
* Designation.
* Image upload.
* Update member button.
* Checks each input field is required.
* Edit the details if required.
* Upload image from the device.

After update date into the database, page will redirect to black belt holders page.

Clicking home button in the navigation bar redirects it to the dashboard.

1. Add Affiliation.

Input fields:

* Image upload. [ for cover image and
* Cover image button.
* Upload button.
* Download button.
* Checking all fields are required.
* Select images from the device and upload.

There is also an invoice affiliation form in that page. You can download it to the system.

Clicking home button in the navigation bar redirects it to the dashboard.

1. Carousel.

Input fields:

* Image upload.
* Title.
* Sub-title.
* Add button.
* Update button.
* Delete button.
* Checking all fields are required.
* Upload images from the device and also adding Title and sub-title for the carousel.

Uploaded carousels are shown below the input fields. Delete shows an alert for the deletion.

Update button redirects to a new page: update carousel.

1. Update carousel.

Input fields:

* Image upload.
* Tile.
* Sub-title.
* Update button.
* Edit the details if want.
* Click update button to update the details.

After all, click logout in the navigation bar to redirects it to the main home page.

Sub modules of User:

1. Homepage

User can view everything in the homepage without any restrictions. It’s a user friendly site and after opening the site user can view homepage containing the main details about the institution.

Home page has fields like contact, about, blackbelt holders, gallery, affiliation in the top navigation bar.

1. Contact.

Input fields:

* Full Name.
* E-mail.
* Subject.
* Message.
* Send button.
* Checking all the fields are required.
* After sending message, user got a notification in the corresponding mail that given in the input field that : “Our team will contact you soon.”

In the right side of this form field there is a box containing the contact informations like location, mail id, contact number and direct social media page redirecting links like facebook, whatsapp, twitter, Instagram. Below it, there is a map location is given to help the users.

1. Gallery view.

Images added in the back-end by admin can be seen by the user in the gallery. In all section, all images can be seen and in the corresponding folder click will sort the image accordingly.

The plus icon in the center of each images helps to zoom the image and go to forward and backward images by clicking the forward and backward arrows after zooming.

Six images can be seen initially and by clicking more images buttons helps to view the rest ones.

1. About us.

Here users can know about the features and details about the institution.

Three sections are given:

* Our Mission.
* Our Plan.
* Our Vision.

About more button is given to view the remaining lines. And a youtube video added by the admin is just below it. This video mainly contains the karate class sections and the main events.

1. Blackbelt holders.

Here, the user can view the current blackbelt holders details. The details like name, designation, register number and photos are shown.

1. Affiliation.

An affiliation form structure or demo is given in this page. You can download it in your device.

At the bottom, details about the membership of affiliation is also given.

THANK YOU