**Files and their contents:**

**BCeVote**

* **manage.py**
* **readme.md**
* **requirements.txt**
* **project (folder)**
* **autoDispense.sh:** It sends 10100000 mA to unencrypted default wallet from the default account.
* **email.py:** Contains the send\_email function that takes three argument

1. to address
2. subject of the mail
3. template

the sender’s email address is configured while setting up the system with export settings command.

* **params.py:** Set up the kmd token and address and algod token and address. Currently the data directory which contains the .token and .net files are hardcoded in this file.
* **models.py:** It sets the values in database table and assigns values to the variables.
* **petition (folder)**
* **forms.py:** It helps in providing the following functionality

1. Contains the login form which validates all the details before adding it to the database
2. Registration form that takes email id of length between 6 and 40 characters, password of length between 6 and 25 characters.
3. Validate function takes email id and cheks if it is already registered
4. createPetitionForm function takes three arguments viz., name of the petition, start and end date for the registration and voting of petition in mm/dd/yyyy format.
5. listPetitionForm function will list all the petition form currently active for both registration and voting.
6. ChangePasswordform

* **views.py**

**Database:**

The database contains three tables. They are

1. User table
2. Petition table
3. Feedback table

The structures of these tables are as follows:

1. User table: Stores a list of users

|  |  |  |
| --- | --- | --- |
| Sr. No. | Columns | Description |
| 1 | id | It must be unique(integer) |
| 2 | email | Just like id, it must be unique(string) |
| 3 | password | The password is not kept as plain text rather a hash valued of password is stored for obvious security reasons. (string) |
| 4 | registered\_on | The date the user was registered in datetime format. |
| 5 | admin | Boolean value that represents the user as admin if positive(true) |
| 6 | confirmed | Boolean value that confirms the registration of user. |
| 7 | confirmed\_on | The date the user was confirmed as registered. |

1. Petition Table

|  |  |  |
| --- | --- | --- |
| Sr. No. | Columns | Description |
| 1 | public key | The public key generated for the petition. |
| 2 | masterAccount | It is the wallet id for this petition |
| 3 | name | Display name for the petition |
| 4 | uid | User id for petition |
| 5 | yes count | Number of votes “in favor” of petition (integer) |
| 6 | start date | Start date for registering and voting in petition |
| 7 | end date | End date for registering and voting in petition |

1. Feedback Table: It will be completed later. Right now, it contains 6 columns, i.e one feedback id(fid) and five questions. The values of each of these columns is in string, which will be the feedback of the user.

**Classes and their structure: This portion will be added soon.**