

Email App

According to requirements of assignment I am creating database. In database I am creating 5 tables.

- 1) User
- 2) Login
- 3) Mails
- 4) Mail To
- 5) Mail Messages

User Table

in user table 7 columns were created.

1. Id (Primary Key)
2. name
3. email
4. password
5. is_active
6. created_at
7. updated_at

Login Table

in login table 6 columns were created

1. loginId (Primary key)
2. userId (its a foreign key. Primary key of user table)
3. loginDevice (its for check where from user logged in)
4. isLogout (its tiny int type 1 or 0 . check for user logged out or not . 1 = Logout , 0 = Not)
5. created_at (Timestamp when record entered)
6. updated_at (Timestamp when record updated)

in this table I am entering a record when user login. User id will be stored in this table and that particular record's id , first I am making the id encoded and than stored in session. On every request I am checking against encoded id record is exist or it is Logout or not . Than sent response accordingly.

Mails Table

in this table 7 columns were created

1. id (Primary Key)
2. author_id (Foreign key its primary key of user table)
3. subject
4. body
5. created_at
6. updated_at
7. replied

in this table mails record were entering.

Mail To Table

in this table entering record whom email to be sent
to or cc

4 column were created

1. id (Primary key)
2. mail_id (Foreign key its a primary key of Mails table)
3. email (the email whom to sent email)
4. type (type is to or cc)

Mail Messages Table

in this table entering mail messages (reply's) etc.

6 columns were created

1. msg_id (Primary Key)
2. mail_id (Foreign Key it a primary key of mails table)
3. msg_from (user email who sent the message or email etc.)
4. msg (the message)
5. created_at (timestamp when record entered)
6. updated_at (timestamp when record updated)

Coding Side & Framework

I am using PHP **Codeigniter** framework its a MVC based framework & implementing OOP.

I am Creating 5 Models according to database tables.