Controllers

- **Register**

  @app.route("/register", methods=["GET", "POST"])
     - requires a "POST" request.

  Register the user in a database.

- **Unregister**

  @app.route("/unregister", methods=["GET", "POST"])
  @login_required
     - requires a "POST" request.

  Unregister the user in a database.

- **Login**

  @app.route("/login", methods=["GET", "POST"])
     - requires a "POST" request

  Log a user in.

- **Logout**

  @app.route("/logout", methods=["GET", "POST"])
  @login_required
     - requires a "POST" request.

  Log a user out.

- **Change Password**

  @app.route("/change_password", methods=["GET", "POST"])
  @login_required
     - requires a "POST" request.

  Change the user's password.

- **Reset Password**

  @app.route("/reset_password", methods=["GET", "POST"])
  @login_required
     - requires a "POST" request.

  Reset the user's password using email verification.

- **Search Coins**

  @app.route("/search", methods=["GET", "POST"])
     - requires a "GET" request.

  Search from the database of coins.

- **Add Coin To Favorite**

  @app.route("/add_to_favorite_coins", methods=["GET", "POST"])
  @login_required
  - requires a "GET" request.

  Add a coin to your favorites.

- **View Favorite Coins**

  @app.route("/view_favorite_coins", methods=["GET", "POST"])
  - requires a "GET" request.

  View a user's favorite coins.

- **Get Coin Information**

  @app.route("/coin_information", methods=["GET", "POST"])
  - requires a "GET" request.

  View a certain coin's information.

- **Upvote Coins**

  @app.route("/upvote_coins", methods=["GET", "POST"])
  @login_required
  - requires a "GET" request.

  Adds an upvote button. This allows the user the upvote a coin of their choice. The reason for this is so they can "hint" the other users what coins to invest in.
  The votes reset every 24 hours.

- **Downvote Coins**

  @app.route("/downvote_coins", methods=["GET", "POST"])
  @login_required
  - requires a "GET" request.

  Adds an downvote button. This allows the user the downvote a coin of their choice. The reason for this is so they can "hint" the other users what coins to invest in.
  The votes reset every 24 hours.

- **Buy**

  @app.route("/buy", methods=["GET", "POST"])
  @login_required
  - requires a "POST" request.

  Allows the user to buy cryptocurrency

- **Sell**

  @app.route("/sell", methods=["GET", "POST"])
  @login_required
  - requires a "POST" request.

  Allows the user to sell cryptocurrency

- **Index 1 (Not logged in)**

@app.route("/index1")
Here a table will be displayed like this:

#	Name	Market Cap	Price	Volume (24h)	Circulating Supply	Change (24h)
1	Bitcoin					
2	Etherium					
3	Ripple					
4	Bitcoin Cash					
...						
50	Ark					

It will use the Coinmarketcap API database.

- **Index 2 (Not logged in)**

@app.route("/index2")
@login_required
Here a table will be displayed like this:

#	Name	Market Cap	Price	Volume (24h)	Circulating Supply	Change (24h)	Upvote/ Downvote	Favorite
1	Bitcoin							
2	Ethereum							
3	Ripple							
4	Bitcoin Cash							
...								
50	Ark							

An Upvote/Downvote and favorite button are added. It will use the Coinmarketcap API database.

- **Dashboard (Most Code)**

@app.route("/dashboard")
@login_required
- requires a "POST" request.
Here the user well see their:
- Portfolio
- Transaction history
- Clipboard
- Favorite coins
- top # of coins

Models/Helpers

Upvotes

Geeft de mogelijkheid tot upvoten van coins met behulp van een button. en slaat de upvotes van de dag op. Iedere dag op t = 0000 UTC worden de upvotes automatisch op 0 gezet.

Data ophalen uit de Online API

Deze functie geeft de mogelijkheid om data uit de online API op te halen.
De online API krijgt om de 10 seconden een update, zodat de koers van de cryptomunt gelijk loopt.

Error melding

In het bestand maken we een functie die telkens een melding geeft als iets verkeerd wordt ingevuld. Bijvoorbeeld als een gebruiker zijn password en gebruikersnaam verkeerd invult.