

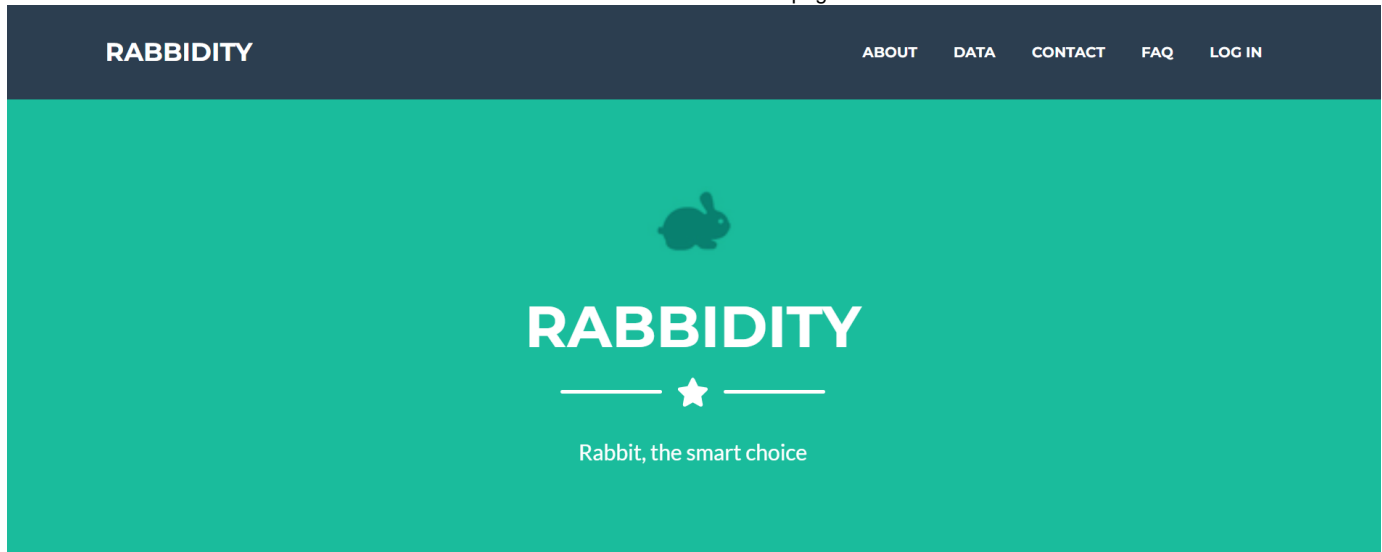
Website

Demo:

[mvp.mp4](#)

The development stages for the website, which will be made available to users, have been started. Within the scope of the first 3 sprints, the front-end development of all pages and the back-end of most pages have been completed. The improvements were made using the python-based Flask tool. Currently, MySQL database and xampp control panel are used for the site running locally. After the studies were completed, integration and unit tests were completed and some bugs were detected. The bugs that will be mentioned below will be fixed as a result of the studies. Besides the HTML files, you can access the main python file from the "<https://bitbucket.org/whiterabbitt/rabbidity/src/main/Website/index1.py>" page.

Main Page: Users will open the Rabbidity website with the index page below. You can examine the "<https://bitbucket.org/whiterabbitt/rabbidity/src/main/Website/home.html>" file on BitBucket to examine the HTML code lines of this page.



ABOUT


User Sign-Up: Users who want to be a member of the website will be able to start the membership process by entering their name, e-mail, phone number, and password information on this screen. You can examine the "<https://bitbucket.org/whiterabbitt/rabbidity/src/main/Website/register.html>" file on BitBucket to examine the HTML code lines of this page.

Create an Account!

Register Account

 Register with Google

 Register with Facebook

 Register with Twitter

[Forgot Password?](#)

[Already have an account? Login!](#)



RABBIDITY
Rabbit, The Smart Choice.


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In addition, a warning as below is given when an inappropriate entry is made in the e-mail field.


Create an Account!

 Lütfen e-posta adresine bir "@" işareti ekleyin. "bolfurkangmail.com" adresinde "@" eksik.

Register Account

 Register with Google

 Register with Facebook

 Register with Twitter

[Forgot Password?](#)

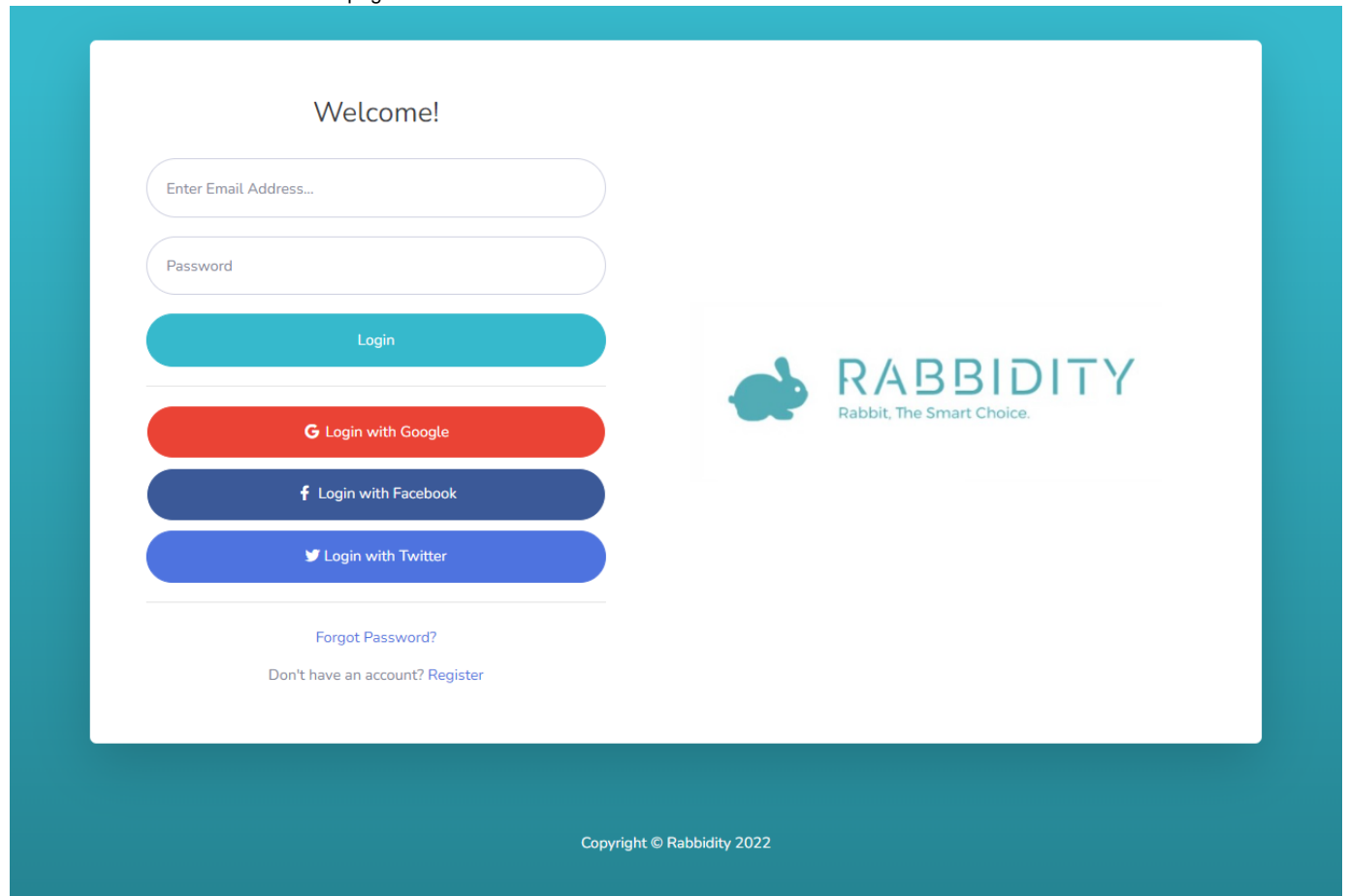
[Already have an account? Login!](#)



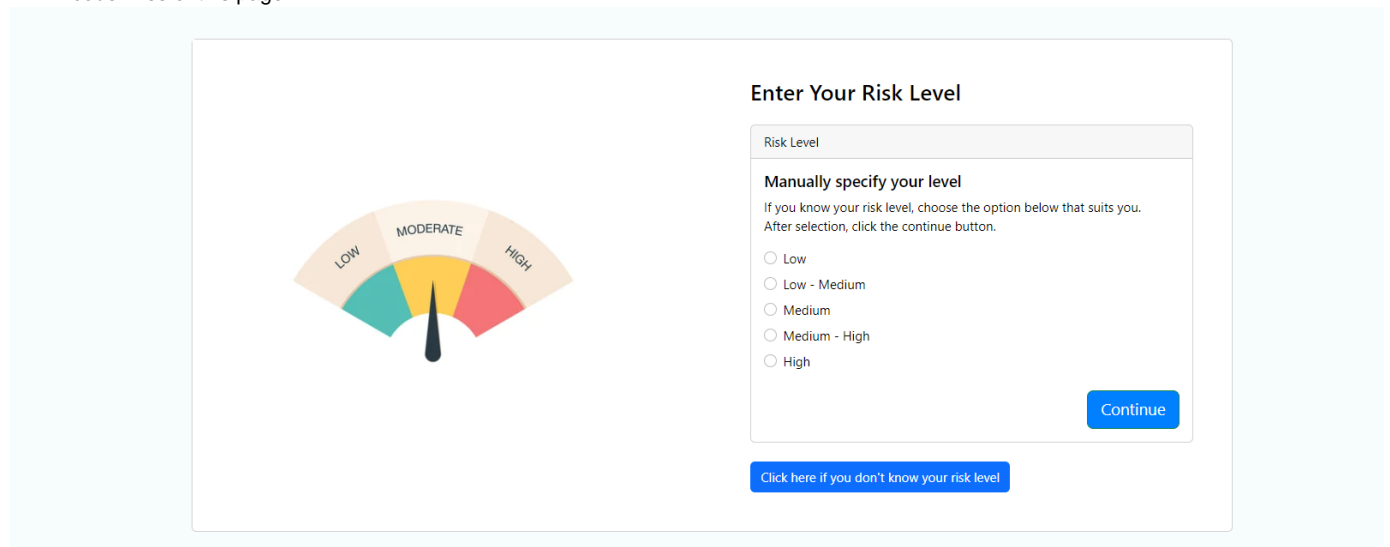
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User Log-In: Users who are already members of the website can log in to the website by entering their e-mail addresses or user names and passwords on this login page. You can examine the "<https://bitbucket.org/whiterabbitt/rabbidity/src/main/Website/Login2.html>" file on BitBucket to examine the HTML code lines of this page.



Manuel Risk Level Selection: On this screen, which is the selection area for users who know the risk level, users will be able to choose the risk level at the specified levels. In addition, for users who do not know, it will be possible to switch to the risk level determination test via this screen. You can examine the "https://bitbucket.org/whiterabbitt/rabbidity/src/main/Website/Assessment_Manual.html" file on BitBucket to examine the HTML code lines of this page.



Risk Assessment Test: For users who do not know the risk level, the test they can fill is given on this page. After completing this test, users can determine their risk level. You can examine the "<https://bitbucket.org/whiterabbitt/rabbidity/src/main/Website/Assessment.html>" file on BitBucket to examine the HTML code lines of this page.

RISK ASSESSMENT TEST

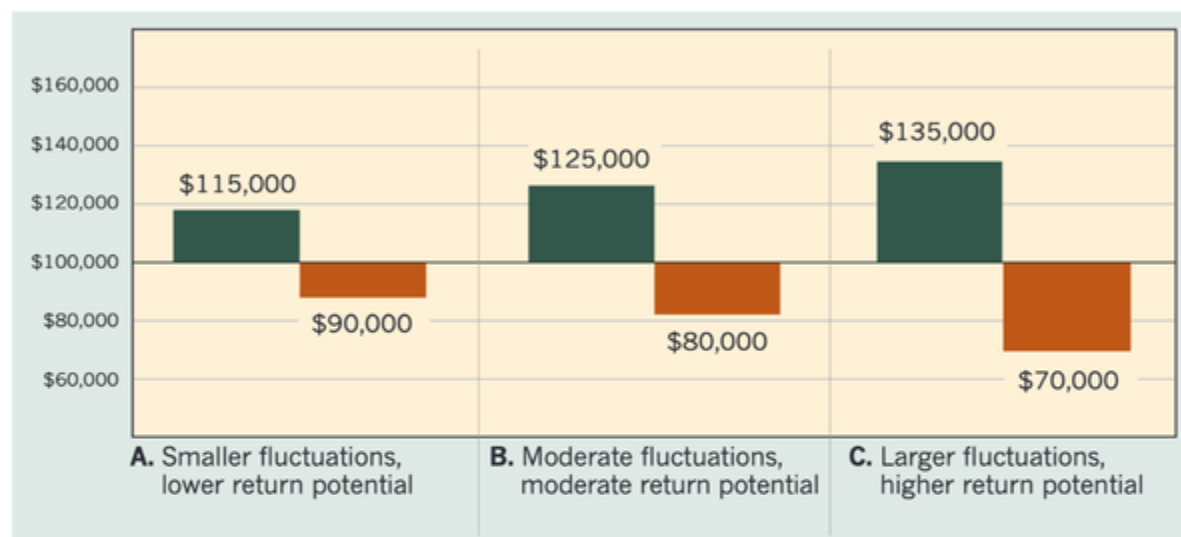
1. How concerned are you about inflation (the risk your money will buy fewer goods and services in the future because of the rising prices)? Growth investments, such as stocks, have the potential to outpace inflation, but also generally have larger swings in value. Cash and fixed-income investments, such as bonds, may be more stable over time, but also may not keep up with inflation. Based on this information, which statement below do you most agree with:

- ☐ A. My goal is to minimize swings in my portfolio's value, even if growth does not keep pace with inflation.
- ☐ B. My goal is for growth to at least keep pace with inflation, with the risk of modest swings in my portfolio's value.
- ☐ C. My goal is for growth to exceed inflation, with the risk of modest to larger swings in my portfolio's value.
- ☐ D. My goal is for growth to significantly exceed inflation, with the risk of larger swings in my portfolio's value.

2. Which statement best describes your personal investment philosophy?

- ☐ A. Income: I prefer investments that may generate more consistent (but most likely lower) returns year to year, with a primary focus on generating income. I prefer a low level of fluctuations and risk of declines over time.
- ☐ B. Growth and Income: I prefer investments that balance my growth objectives with my income needs. I prefer a modest amount of fluctuations and risk of declines over time.
- ☐ C. Growth: I am willing to own investments with a higher degree of fluctuations and risk of declines in exchange for the potential to achieve higher average returns over time.

3. How comfortable are you with potential fluctuations in your portfolio? The table below shows the potential high and low values in a given year for three different portfolios, each based on an initial portfolio value of \$100,000. Which portfolio would you prefer? Choose one.



- ☐ A. Smaller fluctuations, lower return potential.
- ☐ B. Moderate fluctuations, moderate return potential.
- ☐ C. Larger fluctuations, higher return potential.

4. Which statement best describes how you feel about the trade-off between potential returns and declines?

- ☐ A. I am more focused on potential declines in my portfolio's value. The return I achieve is of secondary importance.
- ☐ B. The potential for declines is equally important to me as the potential return.
- ☐ C. I am more focused on the return potential of my portfolio than on potential declines.

5. There have been several periods in history in which the value of the market has dropped 25% or more in a year. If the value of your portfolio fell from \$200,000 to \$150,000 (25%) in one year, how would you react?

- ☐ A. I would move my money to different investments to reduce the potential for more declines, even if this meant missing a potential recovery.
- ☐ B. I would be concerned and would consider moving into different investments if the declines continued.
- ☐ C. I would leave my money where it is and continue according to my long-term strategy.
- ☐ D. I would view this as an opportunity and would consider investing more if I had the money available.

6. There is a trade-off between larger potential short-term fluctuations and a portfolio's long-term growth potential, as shown in the table below. Which portfolio would you be most comfortable with?

Portfolio	Long-term Average Return	Possible Gain in One-year Period	Possible Decline in One-year Period
Portfolio A	4%	15%	-10%
Portfolio B	5.5%	25%	-20%
Portfolio C	7%	35%	-30%

- ☐ Portfolio A
- ☐ Portfolio B
- ☐ Portfolio C

Submit

Investment Period: On this screen, users will be able to select the investment period. You can examine the "https://bitbucket.org/whiterabbitt/rabbidity/src/main/Website/Investment_Period.html" file on BitBucket to examine the HTML code lines of this page.

INVESTMENT PERIOD SELECTION

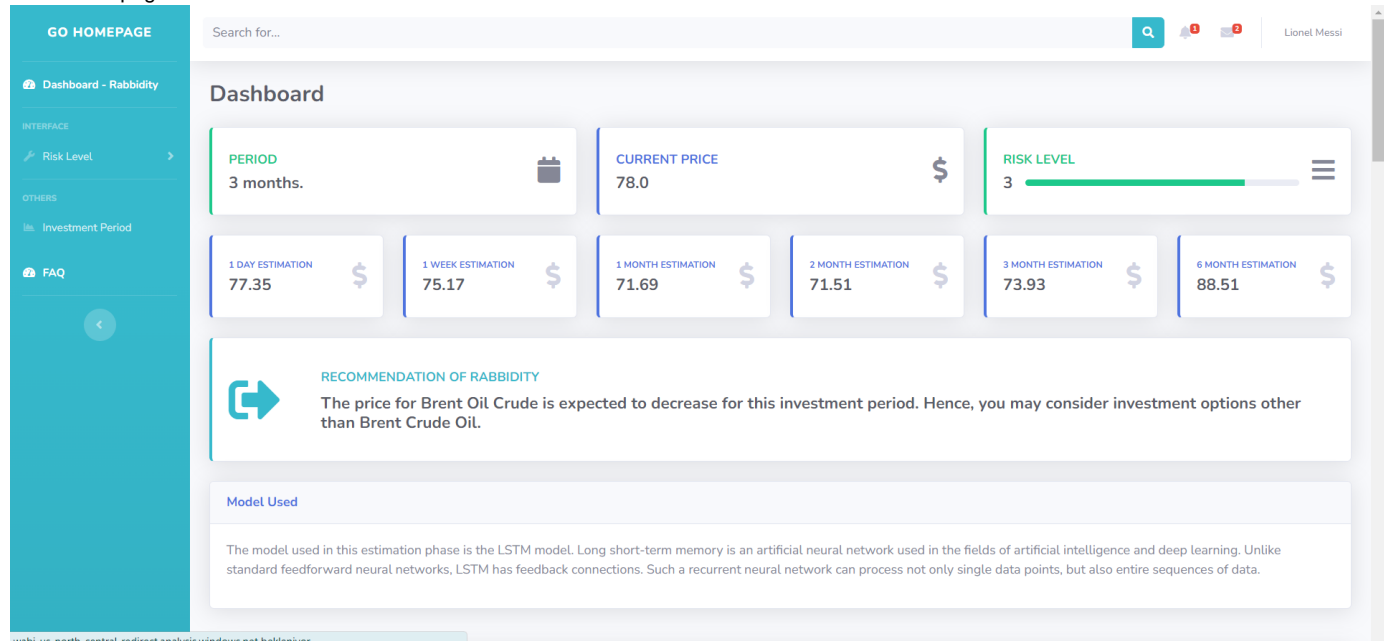
Please select your investment period preference.

- ☐ 1 months.
- ☐ 3 months.
- ☐ 6 months.

Submit

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Dashboard Page: It is the screen where the user can see her/his choices and historical prices when s/he logs into her/his account. Improvements will continue. PowerBI integration is also done. In case PowerBI asks you to log in, you can use the information below. You can examine the "<https://bitbucket.org/whiterabbitt/rabbidity/src/main/Website/SignInDashboard.html>" file on BitBucket to examine the HTML code lines of this page.



- PowerBI Dashboard is embedded into the Rabbidity Website and can be accessed by website users.
- If it is needed to reach details, the following credentials can be used:

PowerBI username: e216788@metu.edu.tr

Password: Bol.7216





Reset Password: Users who forget their password on this screen will be able to renew their password. After login and password validations, users will be able to update from this page.. You can examine the "<https://bitbucket.org/whiterabbitt/rabbidity/src/main/Website/forget-password.html>" file on BitBucket to examine the HTML code lines of this page.

Forgot Your Password?

We get it, stuff happens. Just enter your email address and new password below!

Enter Email Address...


Password

Repeat Password

Reset Password

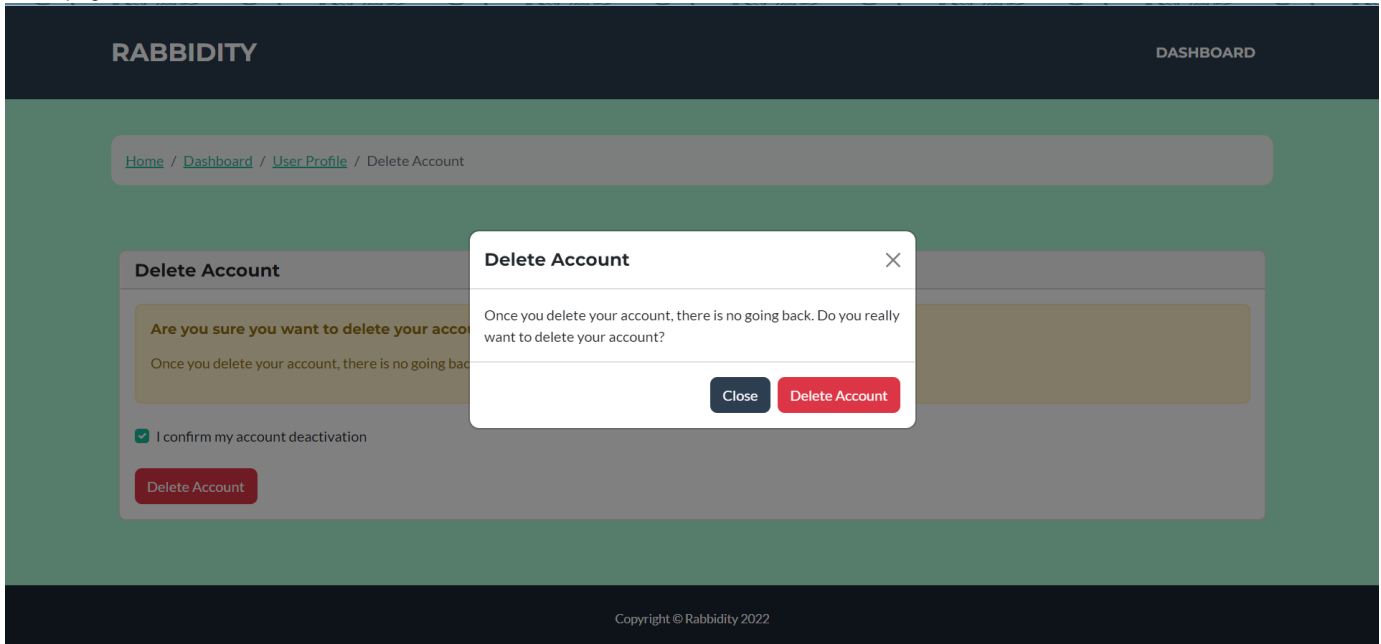
Create an Account!

Already have an account? Login!

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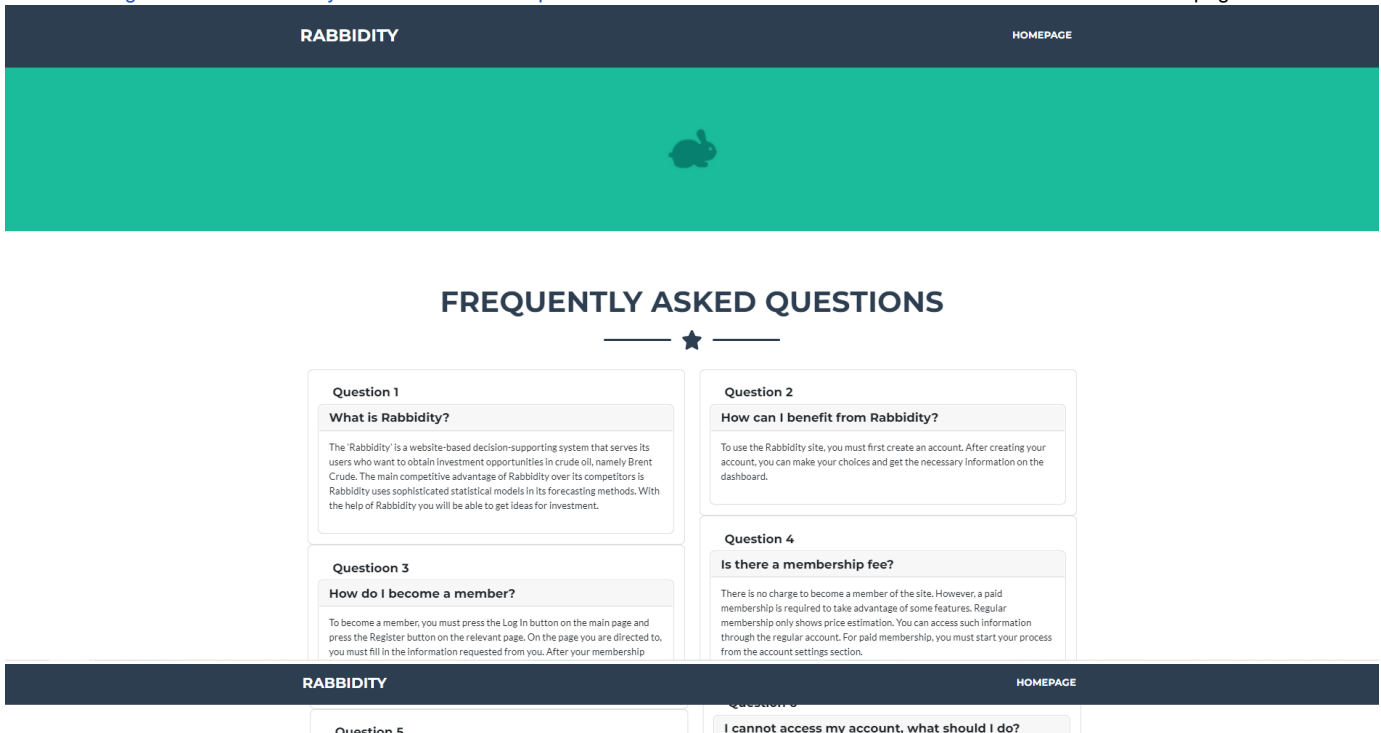
Demo:
[pass.mp4](#)

Delete Profile: Users who want to delete their accounts will use this screen. There are deletion conditions and pop-up information on the screen. You can examine the "<https://bitbucket.org/whiterabbitt/rabbidity/src/main/Website/delete.html>" file on BitBucket to examine the HTML code lines of this page.



Demo:
[Delete.mp4](#)

Frequently Asked Questions: This page is prepared for the frequently asked questions section. Question and answer areas are designed on the screen. In the code part, two files contain the same information for this page. One is for the homepage group that is not logged in, and the other is the page that the user can access. You can examine the "<https://bitbucket.org/whiterabbitt/rabbidity/src/main/Website/faq.html>" and "<https://bitbucket.org/whiterabbitt/rabbidity/src/main/Website/faq-user.html>" files on BitBucket to examine the HTML code lines of this page.



What is the price for paid membership?

The monthly membership fee for the paid account is set as X\$.

Question 7

How can I use the site dashboard?

You can choose your risk level and investment period in the menu on the dashboard. After this selection, you can examine the options that will be displayed on your dashboard according to the model output.

Question 9

How can we contact you?

To reach us, you can reach us from our address at the bottom of the homepage, from the contact form on the homepage or via e-mail.

If you cannot access your account, you can obtain a password by entering the necessary information on the forgot password page on the Log In page.

Question 8

I don't know my risk level, what should I do?

If you do not know your risk level, you can take the risk test offered on our site and learn your risk level. For this, you need to take the manual assessment test in the site dashboard.

Question 10

I want to update my profile information and options, what should I do?

For this, you have to go to the settings and profile section by logging into your account. In this area, you can perform your operation from the update section.

PLACEHOLDERS

Esse aut molestias nesciunt cupiditate, mollitia repudiandae reiciendis alias eaque tenetur nulla. Ipsum libero beatae nisi quos.

PLACEHOLDERS

f t in

CONTACT


Middle East Technical University, Informatics Institute, Üniversiteler Mahallesi, Dumlupınar Bulvarı, No:1, 06800, Ankara, Turkey
0599 789 43 21.

Profile: This is the page where users can access their profile information and edit their profiles. This field can be entered from the field in the upper right corner of the dashboard. You can examine the "<https://bitbucket.org/whiterabbitt/rabbidity/src/main/Website/profile.html>" file on BitBucket to examine the HTML code lines of this page.

RABBIDITY

DASHBOARD

[Home](#) / [Dashboard](#) / User Profile



Simge Kara

Engineer
METU, Ankara, Turkey

Delete Account Preferences Update Account

Full Name Simge Kara

Username simgekara

Email simgekara@outlook.com

Mobile 5578569562

Address Department of Business Administration, Middle East Technical University

Profile | Status

Contact

Web Pages

Preferences

Security

Investment

https://rabbidity.com

Twitter Instagram Facebook

Settings: The page where different settings can be managed for the website. This field can be entered from the field in the upper right corner of the dashboard. This area is not yet fully functional, there are representations of concept areas on the page. You can examine the "<https://bitbucket.org/whiterabbitt/rabbidity/src/main/Website/settings.html>" file on BitBucket to examine the HTML code lines of this page.

RABBIDITY

DASHBOARD

[Home](#) / [Dashboard](#) / Settings

Website

Billing

Security

Website Settings

Language Choose...

Mode Choose...

Save

Billing Settings

Payment Method

	You have not added a payment method	
	Add Payment Method	
	Payment History	
	You have not made any payment.	
	Security Settings	

Update: This is the page where registered user information can be updated. You can examine the "<https://bitbucket.org/whiterabbitt/rabbidity/src/main/Website/update.html>" file on BitBucket to examine the HTML code lines of this page. Five user features on the page are updated instantly. After the update, the updated information is transmitted in the relevant field..

RABBIDITY	DASHBOARD
Home / Dashboard / User Profile / Update Account	
<ul style="list-style-type: none">EmailUsernamePasswordPhoneAddress	<div><div>Email Update</div><div>Email: simgekara@outlook.com</div><div><input type="text" value="Enter Your New Email"/></div><div>Save</div><div>Update History</div><div>You have not made any update.</div></div> <div><div>Username Update</div><div>Username: simgekara</div><div><input type="text" value="Enter Your New Username"/></div><div>Save</div><div>Update History</div><div>You have not made any update.</div></div>

RABBIDITY	DASHBOARD
	<div><div>Password Update</div><div>Password: *****</div><div><input type="text" value="Enter Your New Password"/></div><div><input type="text" value="Enter Your New Password Again"/></div><div>Save</div><div>Update History</div><div>You have not made any update.</div></div> <div><div>Phone Update</div><div>Phone: 5578569562</div><div><input type="text" value="Enter Your New Phone Number"/></div><div>Save</div><div>Update History</div><div>You have not made any update.</div></div> <div><div>Address Update</div><div>Address: Department of Business Administration, Middle East Technical University</div></div>

Preferences: On this page, the options that users can choose regarding notifications are placed. You can select and process from this page. The choices are kept as binary in the preferences table in the database. You can examine the "<https://bitbucket.org/whiterabbitt/rabbidity/src/main/Website/preferences.html>" file on BitBucket to examine the html code lines of this page.

RABBIDITY	DASHBOARD
-----------	-----------

Preferences

Make sure you make the appropriate choices.

Select Your Preferences

Do you want to get your email notifications?

- ☐ Yes
☐ No

Do you want to get your sms notifications?

- ☐ Yes
☐ No

Do you want to save your cookies?

- ☐ Yes
☐ No

[Save](#)

Database: Mysql database was used on the site run locally. A database called flask was created in it and five tables were added to it. The common information in the tables, namely the primary key, is the e-mail address. The tables created are as follows:

- user_info

First_Name	Last_Name	Email	Phone	Password	Password_Validation	IsActive
Simge	Kara	simgekara@outlook.com	5578569562	update12	update12	No
Furkan	Bol	bolfurkan@gmail.com	5530238407	frkn123	frkn123	No
Melis	Erdem	melisdem@gmail.com	5326874592	mel789	mel789	No
Semih	Güler	seguler@hotmail.com	5449856325	sguler741	sguler741	No
Sezen	Can	sezencan@gmail.com	5428569544	szncn1	szncn1	No
Mert	Mecit	mmecit@gmail.com	5415454288	mert1234	mert1234	No
Selin	Deniz	deniz.iremselin@gmail.com	5464220094	12345	12345	No
Gizem	Kaya	gizem.kaya_03@metu.edu.tr	5393013347	123	123	No
Lionel	Messi	messi10@gmail.com	5687459512	messi	messi	Yes

- account_info

Email	Username	Address
{'Email': 'simgekara@outlook.com'}	simgekara	Department of Business Administration, Middle East...
{'Email': 'bolfurkan@gmail.com'}	furkanbol	Informatics Institute, Middle East Technical Unive...
{'Email': 'melisdem@gmail.com'}	melisdem	Department of Industrial Engineering, Middle East ...
{'Email': 'seguler@hotmail.com'}	semihg	Department of Social Sciences, Middle East Technic...
{'Email': 'sezencan@gmail.com'}	sezen7	Department of Architecture, Middle East Technical ...
{'Email': 'mmecit@gmail.com'}	metromert	Graduate Guesthouse, METU
{'Email': 'deniz.iremselin@gmail.com'}	roma2020	METU, Informatics Institute
{'Email': 'gizem.kaya_03@metu.edu.tr'}	gizem03	1555 Street, Cigdem District, Ankara
{'Email': 'messi10@gmail.com'}	messi10	Lionel Stadium, Qatar

{ 'Email': 'messi10@gmail.com' }	goal 10	Luseyi Stadium, Qatar
----------------------------------	---------	-----------------------

- invest_period

Email	Period
{ 'Email': 'simgekara@outlook.com' }	6 months.
{ 'Email': 'bolfurkan@gmail.com' }	6 months.
{ 'Email': 'melisdem@gmail.com' }	1 months.
{ 'Email': 'seguler@hotmail.com' }	1 months.
{ 'Email': 'sezencan@gmail.com' }	3 months.
{ 'Email': 'mmecit@gmail.com' }	3 months.
{ 'Email': 'deniz.iremselin@gmail.com' }	3 months.
{ 'Email': 'gizem.kaya_03@metu.edu.tr' }	3 months.
{ 'Email': 'messi10@gmail.com' }	3 months.

- risk_level

Email	Risk_Level
{ 'Email': 'simgekara@outlook.com' }	4
{ 'Email': 'bolfurkan@gmail.com' }	4
{ 'Email': 'melisdem@gmail.com' }	2
{ 'Email': 'seguler@hotmail.com' }	2
{ 'Email': 'sezencan@gmail.com' }	5
{ 'Email': 'mmecit@gmail.com' }	3
{ 'Email': 'deniz.iremselin@gmail.com' }	2
{ 'Email': 'gizem.kaya_03@metu.edu.tr' }	2
{ 'Email': 'messi10@gmail.com' }	3

- preferences

Email	Get_Mail	Get_Sms
{ 'Email': 'bolfurkan@gmail.com' }	1	0
{ 'Email': 'melisdem@gmail.com' }	1	1
{ 'Email': 'simgekara@outlook.com' }	0	0
{ 'Email': 'seguler@hotmail.com' }	0	1
{ 'Email': 'sezencan@gmail.com' }	0	0
{ 'Email': 'mmecit@gmail.com' }	1	1
{ 'Email': 'deniz.iremselin@gmail.com' }	1	1
{ 'Email': 'gizem.kaya_03@metu.edu.tr' }	1	1
{ 'Email': 'messi10@gmail.com' }	1	1

Operations in tables are performed with INSERT, UPDATE, SELECT and DELETE operations. Database image is available below.

The screenshot shows the phpMyAdmin interface. On the left is a sidebar with a tree view of databases and tables. The main area displays the 'user_info' table with 9 rows. The table has columns: First_Name, Last_Name, Email, Phone, Password, Password_Validation, and IsActive. The data is as follows:

First_Name	Last_Name	Email	Phone	Password	Password_Validation	IsActive
Simge	Kara	simgekara@outlook.com	5578569562	update12	update12	No
Furkan	Bol	bolfurkan@gmail.com	5530238407	frkn123	frkn123	No
Melis	Erdem	melisdem@gmail.com	5326874592	mel789	mel789	No
Semih	Güler	seguler@hotmail.com	5449856325	sguler741	sguler741	No
Sezen	Can	sezencan@gmail.com	5428569544	szncn1	szncn1	No
Mert	Mecit	mmecit@gmail.com	5415454288	mert1234	mert1234	No
Selin	Deniz	deniz.iremselin@gmail.com	5464220094	12345	12345	No
Gizem	Kaya	gizem.kaya_03@metu.edu.tr	5393013347	123	123	No
Lionel	Messi	messi10@gmail.com	5687459512	messi	messi	Yes

If you only want to access the website, scroll down.

Things to do if you want to be checked at in Local:

First, you need to do the following installations;

- pip install -U Flask
- pip install flask-mysqldb
- pip3 install openpyxl
- pip google_drive_downloader

Then you need to reach <https://www.apachefriends.org/> and download the XAMPP control panel suitable for you. After downloading XAMPP, you should copy the 'flask' file in the drive link and paste it to the C:\xampp\mysql\data folder. Otherwise, constructed databases and tables will not be accessible and you need to form them yourself. You must activate Apache and MySQL modules in the XAMPP control panel.

<https://drive.google.com/drive/folders/1Yk9kxTKXJyVZQ3AQx6NibaQFcOps5h8?usp=sharing>

The screenshot shows the XAMPP Control Panel v3.3.0 interface. The title bar says 'XAMPP Control Panel v3.3.0 [Compiled: Apr 6th 2021]'. The main area has a table with columns: Service, Module, PID(s), Port(s), and Actions. The modules listed are Apache, MySQL, FileZilla, Mercury, and Tomcat. The MySQL module is highlighted with a blue border. The Actions column contains buttons for Stop, Admin, Config, and Logs. The status bar at the bottom shows the following messages:

```
10:25:43 [main] All prerequisites found
10:25:43 [main] Initializing Modules
10:25:43 [main] Starting Check-Timer
10:25:43 [main] Control Panel Ready
```

```

10:25:45 [Apache] Attempting to start Apache app...
10:25:46 [Apache] Status change detected: running
10:25:51 [mysql] Attempting to start MySQL app...
10:25:53 [mysql] Status change detected: running

```

In the project, the VS Code was preferably used to display the codes. The files given above are available from the bitbucket environment. After launching XAMPP, go to the localhost address in your browser and go to the phpmyadmin page. The database password should be updated as 123456. The IP address transmitted from the terminal can be accessed by running the index1.py file in the file obtained from the given drive link. Use this IP, probably 27.0.0.1:5000, to reach the Rabbidity webpage.

You can access the ngrok program from the https://drive.google.com/file/d/11C8bF_Y4kl5UIQtNj7GzUZs6BO8QtC43/view?usp=sharing link. Also to use ngrok, it is necessary to open the command window and enter "ngrok HTTP 5000". When you run this command, you will see a screen like the one below.

```

Komut İstemi - ngrok http 5000
ngrok by @inconshreveable (Ctrl+C to quit)

Session Status      online
Account             Furkan (Plan: Free)
Version             2.3.40
Region             United States (us)
Web Interface       http://127.0.0.1:4040
Forwarding           http://b295-188-3-244-202.ngrok.io -> http://localhost:5000
Forwarding           https://b295-188-3-244-202.ngrok.io -> http://localhost:5000

Connections         ttl      opn      rt1      rt5      p50      p90
                  393       0       0.00     0.00     0.33     0.42

HTTP Requests
-----
GET /static/assets/img/rabbit.png      304 NOT MODIFIED
GET /static/assets/img/portfolio/invest.jpg 304 NOT MODIFIED
GET /static/assets/img/portfolio/oil.jpg    304 NOT MODIFIED
GET /static/css/styles.css               304 NOT MODIFIED
GET /static/js/scripts.js                 304 NOT MODIFIED
GET /static/assets/img/portfolio/invest1.webp 304 NOT MODIFIED
GET /static/assets/img/portfolio/oil-icon.svg 304 NOT MODIFIED
GET /                                     200 OK

```

• Direct Access

You do not have to do these steps to access the site. Operations are shown only to convey how localhost is set up. You can access our site directly by pasting the link below into your browser or clicking the link. This process is carried out by publishing our site with the help of a program called ngrok, with the help of a tunnel from our localhost.

<https://b295-188-3-244-202.ngrok.io>

You are about to visit:

b295-188-3-244-202.ngrok.io

Website IP: 188.3.244.202

- This website is served for free through ngrok.com.
- You should only visit this website if you trust whoever sent the link to you.
- Be careful about disclosing personal or financial information like passwords, phone numbers, or credit cards.

[Visit Site](#)

Are you the developer?

We display this page to prevent abuse. Visitors to your site will only see it once.

To remove this page:

- Set and send an `ngrok-skip-browser-warning` request header with any value.
- Or, set and send a custom/non-standard browser `User-Agent` request header.
- Or, please [upgrade](#) to any paid ngrok account.

ngrok Learn how ngrok [fights abuse](#)

In order for the site to be used fluently and correctly, there must be only one active user at a time. If you have any confusion regarding this issue, you can contact us.

If you have a problem reaching the site, just contact us and we can check the servers and the tunnel and fix it.