



Synergy Wallet

Online banking made easy

INST 326 - Final Project Presentation

Team #15 Members:

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Project team



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UX/UI Designer

Project Concept

- provide our clients with a seamless experience when it comes to mobile banking.
- track of your deposits, transfers and withdrawals
- users can merge all of their bank accounts into one virtual wallet.
- unlimited transfers from one account to the other using exclusive Synergy card.





Opportunities

Emerging market

Few collaborative softwares that have been created that cater to mobile banking.

Customers

Nearly two-thirds (**65.3%**) of the U.S population uses digital banking services.

Usability

Most members of society are capable of using smartphones in order to safely perform banking transaction.

Competitive rates

Bonus points - using the Synergy card

College students - free transactions rates for 1yr

Eldery (65 or older) - no rates at all

Project Design

- Create a program that allows users to input their personal information.
- Prompt user to 4 options:
 - 1- Deposit an amount
 - 2- Transfer money
 - 3- View bank statement
 - 4- Quit program
- Store the a summary of the bank statement in an excel spreadsheet file

```
31
32 self.file = None
33 self.fingerprints = set()
34 self.logdups = True
35 self.debug = debug
36 self.logger = logging.getLogger(__name__)
37 if path:
38     self.file = open(os.path.join(path, 'requests.txt'),
39                     'a')
40     self.file.seek(0)
41     self.fingerprints.update([request for request in self.requests])
42
43 @classmethod
44 def from_settings(cls, settings):
45     debug = settings.getbool('DEBUG', False)
46     return cls(job_dir(settings), debug)
47
48 def request_seen(self, request):
49     fp = self.request_fingerprint(request)
50     if fp in self.fingerprints:
51         return True
52     self.fingerprints.add(fp)
53     if self.file:
54         self.file.write(fp + os.linesep)
55
56 def request_fingerprint(self, request):
57     return request_fingerprint(request)
```




Problem-Solving Process



Program Implementation

- Create a User class (**parent**)
 - name, age, acc_num
- create a Bank class (**child**)
 - export bank statements to excel spreadsheet

Inherits user attributes

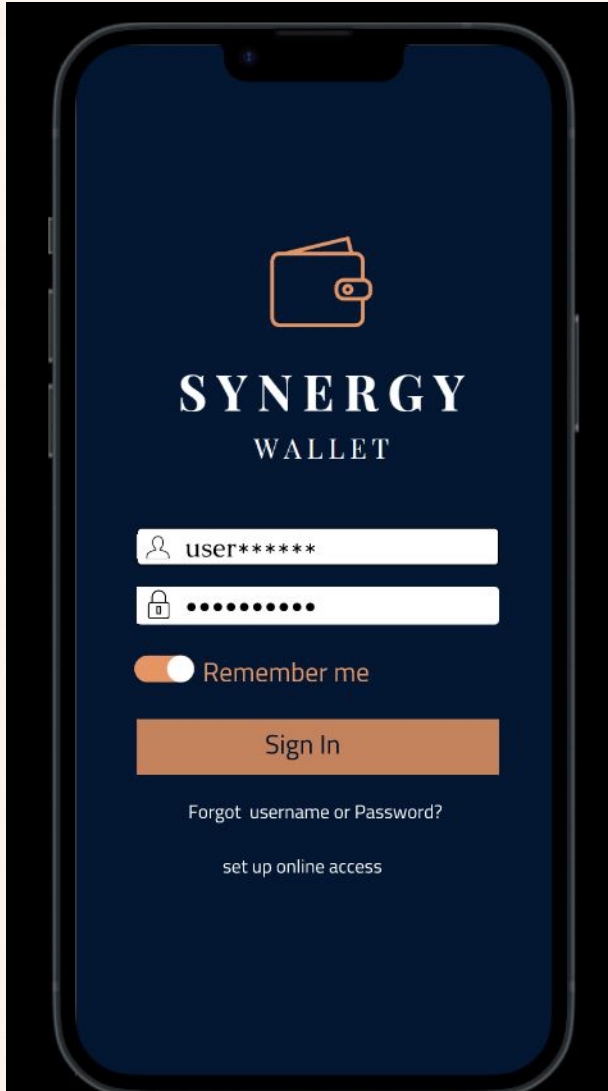
Functions

deposit()

transfer()

statement()

Project Demo



Code Demo:

https://github.com/robingodinho/INST326_FinalProject_15/blob/main/synergywallet_15.py

App Demo:

<https://www.figma.com/proto/fg3zxiRn9VfJ91298bVaX7/Untitled?node-id=1%3A2&scaling=scale-down&page-id=0%3A1&starting-point-node-id=1%3A2>

Thank you

