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Professor Dawn Duerre

CSC 330

Language Design and Implementation

Final Project README

04/24/2025

README

Video Link: https://youtu.be/XSqtizArcTg

Class and Function Assignments:

* Elisha Bjerkeset
  + Class BankAccount
  + Class Token
  + Class Parser
  + Function specification\_tests in banking.py
* Natasha Czaplewski
  + Class BankAccount
  + Class Lexer
  + Class Parser
  + Function initialize in banking.py
  + Function main in banking.py
* Ty Steinbach
  + EBNF
  + Class Lexer
  + Class ASTNode (and Check, Create, Deposit, and Withdraw)
  + Class Parser
  + Function main in banking.py

Using Program

1. Download .zip file and unzip
2. Run banking.py
3. You will be given the option to:
   1. Login to an account
      1. The available account IDs are displays and you can enter one of them to log in.
      2. Upon logging in you will be given the option to:
         1. Make a deposit
            1. If you choose this option, you have to enter a number to deposit into the account
         2. Make a withdrawal
            1. If you choose this option, you have to enter a number to withdraw from the account
         3. Check the balance
            1. This displays the account’s current value
         4. Log out
            1. This brings you back to the previous selection screen
   2. Create a new account
      1. You can enter a first and last name to create an account.
      2. After, you will be brought back to the same selection screen as before
   3. Use the Console to use our language directly
      1. This option allows the user to use our syntax in the console
      2. Type “Exit” to leave
   4. Run Unit Tests
      1. This option runs all specification tests
   5. Exit the program
      1. This option quits the program

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