Challenge
Introduction to Object-Oriented Programming

Online Banking

Today, Banking services are mainly online, but to open a bank account, one must visit the bank in person. Many global banks have ventured into the new era of banking. They allow customers to open their bank accounts from the comfort of their homes.

Coast State Bank is now providing the opportunity to open an account on its online platform. It provide this service to individuals who are 18 or older. However, not all types of accounts can be opened online. Currently, the bank allows customers to only open a savings account. Model the features of the savings account.

CHALLENGE

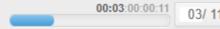# Challenge Statement

- The savings account must have some basic attributes:

  - A 12-digit auto-generated account number.

  - The account holder's name.

  - The account balance.

  - The account's Status.

- The customer must be able to withdraw cash, check their balance and deposit cash.

- The savings account must be able to debit cash, credit cash, and display the balance available.

Tasks

- Identify the `SavingsAccount` class from the problem statement.

- Identify the attributes of the class and list them in a text editor.

- Identify the behaviors of the class and list them in a text editor.

Tasks (contd.)

- Model the `SavingsAccount` class.

- Declare the attributes as variables in the class.

- Define the behaviors of the class as methods.