

CRC model

# Account

## **Responsibilities**

- Has a username
- Has a password
- Has a unique userID
- Has a login history
- Can identify itself as an Admin/non-Admin account.

## **Collaborations**

- Parent of AdminAccount

# LoginEvent

## **Responsibilities**

- Has an associated Account and Date
- Has a unique String representation

## **Collaborations**

- Account

# AccountManager

## Responsibilities

- Has a list of all Accounts
- Has an Account which is designated to be the active Account
- Can create a new Account
- Can create a new AdminAccount
- Can delete non-Admin Accounts
- Can temporarily ban non-Admin accounts
- Can match a username to a password

## Collaborations

- Account
- AdminAccount

# LoginSystem

## **Responsibilities**

- Can create a new Account with the help of an AccountManager
- Can display a login UI, which takes user input to do certain tasks
- Can log into an Account with the help of an AccountManager

## **Collaborations**

- AccountManager

# MainMenu

## Responsibilities

- Has an active Account
- Can display a menu UI, which takes user input to do certain tasks
- Can log out of an Account
- AdminAccounts can delete and ban (temporarily) non AdminAccounts, and create new AdminAccounts with the help of an AccountManager
- Accounts can display their login history

## Collaborations

- AccountManager