Demo Project Proposal

Personal Finance Application

# Statement of Purpose

* Title: Personal Finance Application
* Purpose: Collect, calculate and display personal financial data

# Runtime Environment

* Desktop
* Local services needed

# Information Needed

* Users
  + Id
  + Email
  + Password/PasswordHash
  + CreatedAt
  + LastLogin
* Profiles
  + UserId FK
  + FirstName
  + LastName
  + TimeZone
  + Currency
* Accounts
  + Id
  + UserId FK
  + Name
  + Type ENUM(Cash, Brokerage, Retirement)
  + Balance
  + CreatedAt
* Transactions
  + Id
  + AccountId FK
  + Date
  + Amount
  + Type ENUM(Income, Expense, Transfer)

# Data to be Persisted (Data Base)

* Users
  + Email
  + Password/PasswordHash
* Profiles
  + FirstName
  + LastName
  + TimeZone
  + Currency
* Accounts
  + UserId
  + Name
  + Type ENUM(Cash, Brokerage, Retirement)
  + Balance
* Transactions
  + Amount
  + Type ENUM(Income, Expense, Transfer)

# App Concerns

* Need to handle PII in a secure manor
* Access to data in a major emergency

# User Interface Outline and Functional Flow

Can be an outline in writing, PowerPoint slides (one slide per screen)

# Special Features

* None