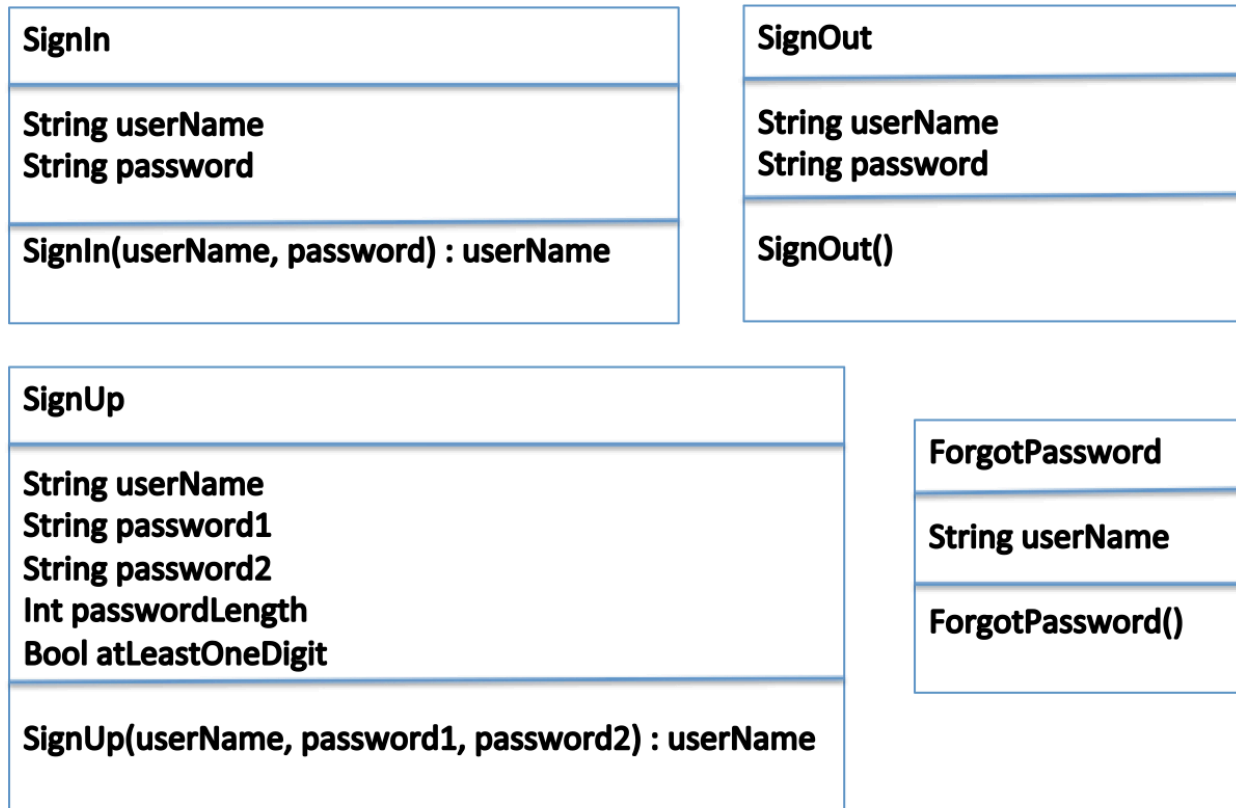# Design Document
Cincinnati Road Activity

Iteration Plan

- Inception / Iteration Plan
  - Create Use Case Model
  - Create Vision Statement
- Iteration #1
  - Setup of AWS with Meteor
  - Create Default Meteor Project
  - Create Domain Model
  - Create System Sequence Diagrams
  - Create Iteration Plan
  - Create Design Document
  - Implement Use Case 1: Sign-Up
  - Test Use Case 1: Sign-Up
  - Implement Use Case 10: Sign-In
  - Test Use Case 10: Sign-In
  - Implement Use Case 11: Sign-Out
  - Test Use Case 11: Sign-Out
  - Implement Use Case 3: Import Data by User
  - Test Use Case 3: Import Data by User
  - Implement Use Case 9: Current Road Activities
  - Test Use Case 9: Current Road Activities
  - Create Deployment Script
  - Test Deployment Script
  - Deliver Working Demo of Iteration #1

- Iteration #2
  - Update Vision Statement
  - Update Use Case Model
  - Update System Sequence Diagrams
  - Update Iteration Plan
  - Update Design Document
  - Implement Use Case 2: Update Data by System
  - Test Use Case 2: Update Data by System
  - Implement Use Case 5: Enter Roads Travelled
  - Test Use Case 5: Enter Roads Travelled
  - Deliver Working Demo of Iteration #2
- Iteration #3
  - Update Vision Statement
  - Update Use Case Model
  - Update System Sequence Diagrams
  - Update Iteration Plan
  - Update Design Document
  - Implement Use Case 8: Notification System
  - Test Use Case 8: Notification System
  - Implement Use Case 12: Subscribe to Alerts for Travel Path
  - Test Use Case 12: Subscribe to Alerts for Travel Path
  - Deliver Working Demo of Iteration #3

Class Diagrams

CLASS DIAGRAM
Accounts-Entry

SignIn
String userName String password
SignIn(userName, password) : userName

SignOut
String userName String password
SignOut()

SignUp
String userName String password1 String password2 Int passwordLength Bool atLeastOneDigit
SignUp(userName, password1, password2) : userName

ForgotPassword
String userName
ForgotPassword()

CLASS DIAGRAM
Update Data By User &
Current Road Activities

Session
String key String value
get(key): value set(key, value)

HttpRequest
File xml String url
makeHttpRequest() getXML(): xml

Data
File xml
importData(xml) filter(filter)