## Pre-Requisites:

- JDK 1.7.\* or higher—ie 1.8.\*
- Grails 2.4.3

## Installation:

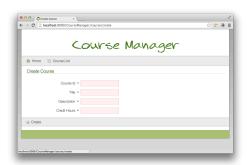
- 1) Unzip
- 2) Open a command prompt
- 3) Navigate to the root directory (1)
- 4) Enter the command "grails run-app"

# Wireframes / Functionality:

#### Home



### Course CRUD - Create



#### Constraints:

- All fields are required-cannot be blank
- All fields are non-nullable
- The Course Id and Title field must be unique
- Course Id must be greater than 1
- Credit Hours can be equal to 3 or 4

### Course CRUD - Read

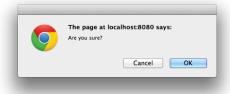


## Course CRUD - Update



### Course CRUD - Delete





#### User CRUD - Create



#### Constraints:

- All fields are required-cannot be blank
- All fields are non-nullable
- UserId cannot be less than 1
- Username and UserId must be unique

### User CRUD - Read

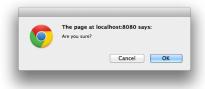


## User CRUD - Update



## <u>User CRUD - Dele</u>te





### Enrollment CRUD - Create



### Constraints:

- All fields are required-cannot be blank
- All fields are non-nullable
- Enrollment Id must be unique and greater than 1

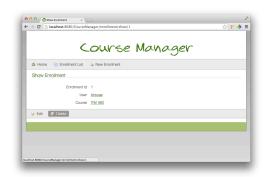
## Enrollment CRUD - Read

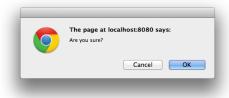


#### Enrollment CRUD - Update



#### Enrollment CRUD - Delete





#### Open Issues (To Do's)

- No session authentication
  - Needs an actual Login page, which establishes the users session
  - Similarly needs to logout button (link) which kills the users session
- Password not encrypted or hidden
- Password no value validation
- Color scheme is out of the box-i.e. needs to be customized
- Footer missing
- User roles undefined
- Id constraint validations don't seem to actually work
  - O If you create a User with the UserId = 1 and then try to create the same user again, the site blows up. This issue seems to be true across domain classes
- No direct links to controllers
  - User must constantly go back to home