

# COM401 Software Engineering

Lab-0

# Agenda

- ▶ Lab Logistics
- ▶ RoR Setup Environment
- ▶ About Projects
- ▶ Last Year's Student Projects
- ▶ Homework

# Lab Logistics

- ▶ In the lab website!

# Setup Environment

1 – Install Ruby Installer for Windows

<http://rubyinstaller.org/downloads/>

# Setup Environment

## 2- Install Development Kit

- ▶ Download Development Kit from <http://cdn.rubyinstaller.org/archives/devkits/DevKit-mingw64-32-4.7.2-20130224-1151-sfx.exe>
- ▶ Unzip the zip into the directory where Ruby200 folder resides (generally it is in C:\ drive. That's why, unzip the file a folder named 'devkitRails' in C:\ )
- ▶ open command-line and go to unzipped folder. Namely, open your command line then write `cd C:\devkitRails`
- ▶ Then write `ruby dk.rb init`
- ▶ Then write `ruby dk.rb install`
- ▶ Then write `gem install rdiscount --platform=ruby`

# Setup Environment

3- Install git

<http://msysgit.github.io/>

# Setup Environment

4- Check Ruby version

**ruby -v**

# Setup Environment

5- Install Ruby gems

<https://rubygems.org/pages/download>



# Setup Environment

6- Check gem version

```
gem -v
```

# Setup Environment

7- Install rails

```
gem install rails --version 4.0.2
```

# Setup Environment

7- Check rails version

`rails -v`

# About Projects

- Projects must have a real customer
- Projects must solve a real problem
- Team size is 3 (no more)
- Teams cannot be formed again!

# Last Year's Student Projects

1 – Building Management System

<https://sites.google.com/site/amsteamproject/>

2 – A Suggestion System for Education of Kids

<http://software-engineering4.webnode.com.tr/>

3 – Device Status Tracking System

<https://sites.google.com/site/takimaty/>

4 – Order Tracking System

<http://fibilgisayar.weebly.com/>

5 – A Management System for Türkiye Harp malulu Şehit, Dul ve Yetimleri Derneği

# Some Other Project Example List

- ▶ <http://summerofrails.org/projects/>

# Homework

- 1 – Setup the environment to your laptop
- 2 – Build your project team from 3 people
- 3 – Determine your project ( at least roughly ).
- 4 – Prepare a document containing the name of team members, the name of your team, the project definition, functional and/or non-functional requirements for your project
- 5 – Send the document to me with an e-mail ( Do not forget to add your team members to CC in your e-mail ! )

**Due Date : October 12, 2014 at 5 pm**