

**Delvin Defoe**  
**Olin 259**

Don't plug in your laptop just yet...

And think of something  
memorable about yourself as a  
matter of introduction...

# Course Introduction

---

CSSE 221

Fundamentals of Software Development  
Honors

Rose-Hulman Institute of Technology

For today's exercise (shortly)

**Sit alphabetically in groups of 4**  
**Then plug in**

# The Key Players

---

- You: roll call.
  - Nicknames, correct pronunciation, something interesting?
- Me: Delvin Defoe
- The course assistants:
  - Andrew Siegle (sect 1)
  - Travis Baumbaugh (sect 2)



# Life outside of Rose

# Intro to the course

- OO software development in Java.
- 18 chapters in text!
  - Ch. 1-16.4, 18, 20
- Lots of programming, including:
  - Each week' structured around a prog. assignment
  - 1 bigger team project
- Researching and presenting course material to classmates
- Intro to C

	Topic	Project	Indep
1	Interfaces	BigRational	
2	Inher & Poly	BallWorlds	Research
3	GUI	Fifteen	Research
4	Lists	VectorGraphics	Demo
5	Data Structs	Markov	Demo
6	Simulation	Simulation	
7	Threads	Simulation	Present
8	Sorting	Simulation	Present
9	C Basics	C Projects	
10	Linked Lists	Linked Lists	

# Diversity

Majors

Programming  
backgrounds

At the end of the course...

Major	Count
CS	11
CpE	5
EE	5
SE	3
PH	2
CE	1
ME	1
Undecided	1

# Course Mechanics: Syllabus

---

- Office: where and when?
- Extra help: Moench F217, Sun-Thurs 7-9 pm
- What email address should you use for the fastest response to your questions in this course?
- List two electronic distractions, mentioned on the Syllabus, that you should avoid in class.
- If you use someone else's ideas in work that you turn in for this course, what are the two things that you have to do, according to the Syllabus?
- After two unexcused absences in this course, what do you have to do?
- Is there a “Late Day Bank Account” for this course? (Yes or No)

# Course Mechanics: Schedule

---

- When is Homework 1 due again?
- What should I read by Monday?



# Course Mechanics: Angel

---

- Slides folder, updates will come after class.
- Projects folder
- Subscribe to discussion forums

# Today's content: Eclipse and SVN

---

- Subversion (SVN) is used for version control.
  - Backups
  - Working together
  - *Collaborative Poetry* Exercise
- Eclipse is our Integrated Development Environment (IDE)
  - Easy to write code in both Java and C.
  - *Hello World* from scratch
  - *JavaEyes* modifications

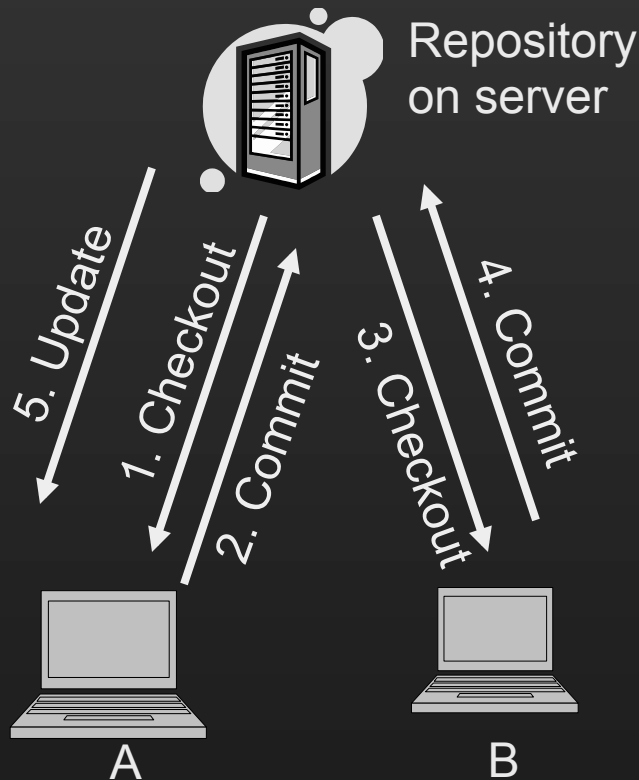
# Benefits of Version Control

---

- Server
- No emails
- Backup
- Rollback
- Turn-in

# Using Version Control

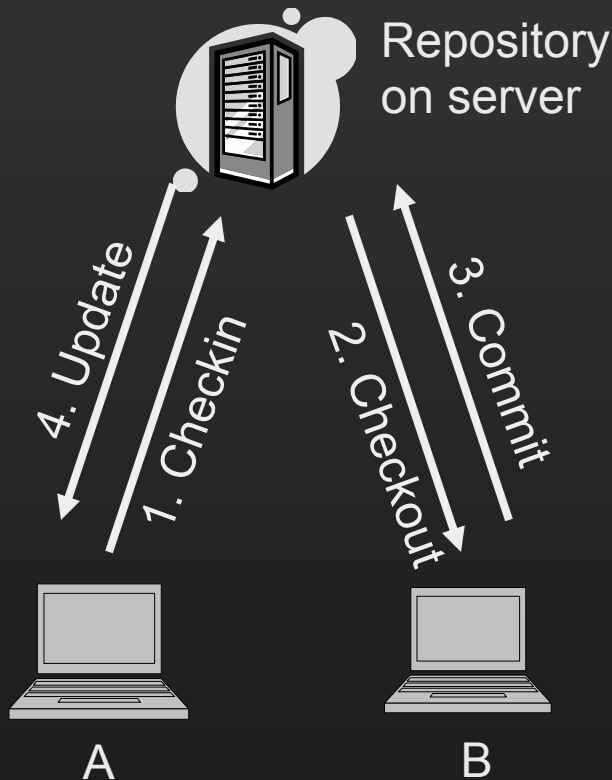
## 1: The instructor provides starting code



1. A checks-out the project from the repository.
2. A commits any changes (so that the repository stays current).
3. B checks out the project from the repository (getting the most current version).
4. B commits any changes (so that the repository stays current).
5. A updates her local copy.

# Using Version Control

## 2: The students create the code from scratch



1. A creates the project and checks it into the repository.
2. B checks out the project from the repository.
3. B commits any changes (so that the repository stays current).
4. A updates her local copy.

# On to the exercises!

---

- Collaborative Poetry
  - break--
- Hello World
- Start Java Eyes
  
- Finish all as part of the homework, which includes reading and some written questions, all due Monday when you arrive in class.

# Poetry Teams (Section 1)

---

01, bismaywj,dattilwa,goldthea,guilfoej

02, juneauj,katzdl,mccormbc,memeriaj

03, piergiaj,roetkefj,savkovpj

04, spryct,taylorrem,venezig

Team number used in repository name:

<http://svn.csse.rose-hulman.edu/repos/csse221-201210-teamXX>

# Poetry Teams (Section 2)

---

05, alvessr, andrewaj, burnstt, carterj3

06, coxbc, harbisjs, jonesel, kulczajr

07, morrisma, nuanests, rudichza, shahdk

08, singerar, stewarzt, uphusar

Team number used in repository name:

<http://svn.csse.rose-hulman.edu/repos/csse221-201210-teamXX>