



SE 640 - Foundations of Software Engineering

Dr. Adriano Cavalcanti

PhD MABE, MS EE, BSc CSc

Computational Nanotechnology & Biomed Robotics

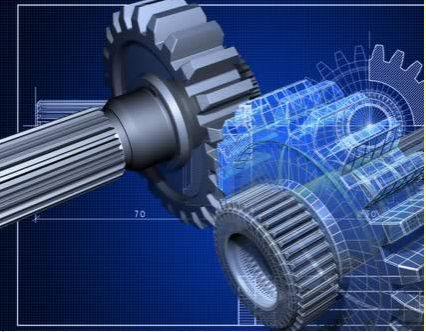


ST. CLOUD STATE
UNIVERSITY

Office location: ECC251 Phone: 320 308-4734
Email: adriano.cavalcanti@stcloudstate.edu

Office hours:
Mon & Wed 2pm-3pm; Tue 5:00pm-6:00pm; & by appointment





Class Activity

OOD TDD

1



Practical DEVELOPMENT

THE TEXTING
ADDS TO THE
AUTHENTICITY

TESTS FIRST

RED ► GREEN ► REFACTOR



Class Activity

OOD TDD

1



python



PayPal



amazon

DISCOVER[®]





Class Activity

OOD TDD



Create an **OOD/OOP** design pattern as a **unit test** for the following **TDD** methods that belongs the class **CPassword** used to address improved security as **BDD** in selecting the login password:

User's password contains at least

- 1) Method "character": 6 characters long. (2points)
- 2) Method "lower": Must contain at least one lower case letter (2points)
- 3) Method "upper": one upper case letter, (2points)
- 4) Method "digit": one digit. (2points)
- 5) Method "special": and one of these special characters
~!@#\$%^&*()_+ (2points)

Submit on D2L: source code, and in a word document the screenshot with the output from the test/program execution; **one submission per team of two students: include both names.**