CIS 658
WEB
ARCHITECTURES
Winter 2018

ROOM AND CONTACT INFO

- **Room**: KEN 350

- **Prerequisites**: CIS 654 Computer Networking

- **Office Hours**: 11am –12pm Monday, Wednesday (MAK C2-215), 5pm-5:50pm Thursdays (EC 618B) or by appointment.

- **Email**: jonathan.engelsma@gvsu.edu

OTHER RESOURCES

- **Blackboard**: http://mybb.gvsu.edu - All course announcements and relevant class documents will be posted to the course Blackboard site.

- **Instructor's Blog**: https://themobilemontage.com

OTHER RESOURCES

- **Instructor's YouTube Channel**: http://youtube.com/batwingd (mostly technical screencast tutorials)

- **Twitter**: @batwingd

CATALOG DESCRIPTION

- Current and emerging web-based technologies, protocols, system architectures, development frameworks, and languages.

GOALS

- An in-depth understanding of the HTTP protocol.

- Construct web pages with HTML 5 and CSS 3.

- Contrast W3C WebServices with RESTful Services.

- Discuss how dynamic content is delivered by web servers.

GOALS

- Illustrate how a web browser requests resources from a server and interprets the results.

- Create dynamic web pages using Javascript.

- Understand the mechanisms behind responsive web apps.

- Evaluate web application frameworks.

- Create a full three-tier web application.

WHY SHOULD I TAKE THIS COURSE?

- Programming languages course analogy:

  - learn new languages faster

  - learn to program better

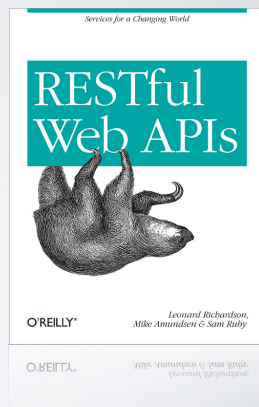 - learn to make good language choices

THE "SWEET SPOT"

- Help you learn new web development frameworks faster.

- Help you to make better use of web dev frameworks, more scalable web apps, etc..

- Help you make better choices with regard to framework selection.

GRADING

- **Participation**: 10%

- **Homeworks/Projects**: 40%

- **Midterm Exam**: 25%
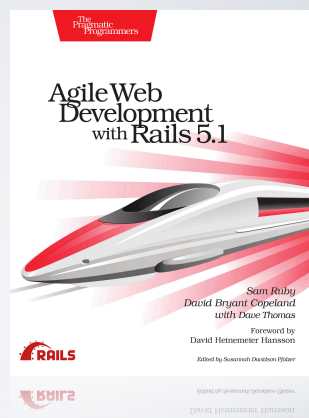
- **Final Exam**: 25%

TEXTBOOK

- RESTful Web APIs.
  Richardson et al., 2013

OPTIONAL TEXT

- Agile Web
  Development with
  Rails 5.1. by Ruby,
  Copeland and Thomas.

ACADEMIC HONESTY

- You are expected to read, understand, and follow the department's Academic Honesty Policy which can be found at http://www.cis.gvsu.edu/academic-honesty/

DISABILITY SUPPORT

- If there is any student in this class who has special needs because of a learning, physical or other disability, please contact me and Disability Support Services (DSS) at 616.331.2490. Furthermore, if you have a disability and think you will need assistance evacuating this classroom and/or building in an emergency situation, please make me aware so I can develop a plan to assist you.