Grace Shopper

Development Team Simulation Game

Some of the requirements . . .

◉ **E-commerce web application**

◉ **Visitors can browse and buy with or without an account**

◉ **Ordinary users can see their order history**

◉ **Admins are elevated users with authorized actions**

◉ **Tested and deployed**

◉ **Full requirements and further description available in workshop**

What kind of product?

(your choice)

…keep it clean

Focus

◉ **Education (synthesis)**

◉ **Collaboration**

◉ **Planning/Agile**

◉ **Fun!**

Logistics

- Teams of ~4

- Starts today

- Evaluation next Wednesday

Fellow as Project Manager

◎ **A simulation of an "Agile" project**

◎ **Standup every day (usually morning)**

   ◎ 10 - 15 minute-long meetings

   ◎ Yesterday? Today? Obstacles?

   ◎ Quick demo

◎ **Planning meetings, code reviews, demo presentation, retrospective**

◎ **Will pair with you on your code occasionally (and randomly)**

Code Reviews

- **Code Review #1 (Instructor-Fellow/Back-end)**
  - Models
  - Routes
  - Testing

- **Code Review #2 (Self-Driven)**
  - Pending pull requests

Working In Groups

◉ **Rotate: pair with each member of your team**

◉ **Assign work by feature, not technology**

◉ **Git responsibly**

◉ **Properly use and maintain your project board (waffle.io)**

◉ **Challenge yourself!**

Production

◉ **Deploy your app to Heroku or Digital Ocean**

◉ **Practice Continuous Integration**

◉ **…we will provide more guidance in a couple days**

Tips

- ◉ **Uninterrupted focus**
- ◉ **Do not specialize**
- ◉ **One task at a time**
- ◉ **One PR / feature**
- ◉ **One review / PR**

Senior Phase Help Tickets

◉ Can take longer and be more complicated

◉ Keep using the queue

◉ Do your research

◉ Beware when using technologies that aren't part of FSA's fore curriculum

Evaluation

◉ **You will be presenting your project to the instructors on the scheduled final day of the project**

◉ **Evaluation of team's work based on the following and more:**

  ◉ Feature completeness

  ◉ Code quality and general best practices in front-end and back-end

  ◉ Effective use of Git

  ◉ Effective use of project management board (waffle.io) to track project

  ◉ Quality of unit tests

  ◉ Schema design

  ◉ REST

  ◉ DRY

  ◉ Effectively separating functionality with controllers/factories/directives/etc.

  ◉ UI/site usability

  ◉ Security

  ◉ Design/visual appeal

Grace Shopper Koans

◉ Pair Program for at least 2 hours every day, unless you are short on time. Then, Pair Program for 6 hours.

◉ Embrace Repetition (…but Don't Repeat Yourself)

◉ The deepest mysteries of our universe can all be looked up on Stack Overflow, we just haven't discovered the proper search query.

Getting Started

◎ **Find your assigned team, grab an area to sit together**

◎ **Read the workshop**

◎ **Formulate a plan of attack with your teammates**

◎ **Bones training this afternoon after lunch**