

Lesson 7

(5 min)

Logistics

- Check in — do you have your local dev environments set up? Progress check
- Github? Did everyone watch the tutorial and set up accordingly?
- Can everyone commit code?

(5 min)

Answer questions from last class

- Don't know what cards are
- Log info syntax
- What does reprompt do in the code?

(10-15 min)

- Intro to Debugging
- Show how to debug using
 - Compiler / Build stack trace
 - Lambda testing
 - Simulator — run command, make sure it reaches endpoint
 - CloudWatch logs

(5 min)

Testing & Debugging Slides (attached)

(20 min)

- Pair programming — debugging activity — SpaceGeek
- First sync your branch with master
 - Should get updated code for space geek
 - Then try to upload new code to Lambda function and run
 - Test with simulator
- Types of bugs:
 - Syntax / Compiler
 - Neglecting import library — HashSet in ReqStreamHandler
 - Runtime
 - Java:
 - SpaceFacts.length — index out of bounds error
 - Interface
 - App Ids (incorrectly set)
- Logic
 - getFactResponse () — only gets first fact

(15 min)

Whole group — pairs take turns sharing:

- What bug(s) did you find & fix?
- **HOW** did you find them?

(5 min)

Wrap Up

- Weekend's assignments:
- Lab 4 + extension — bells & whistles — what might you do?
- Record 1-2 min video of you interacting with your “helper”
- Reading on Error Handling