CS305 shared topics

Aneeket Mangal

1. seemingly unimportant

- Eight habits of expert software designers:

  https://thereader.mitpress.mit.edu/habits-of-expert-software-designers/

- emingly unimRead

  http://www.paulgraham.com/icad.html

2. Important

- Gradle:

  https://docs.gradle.org/current/userguide/getting_started.html#try_gradle

- Bultan Slides, Testing overview and foundations

  https://sites.cs.ucsb.edu/~bultan/courses/272/lectures/Testing-Foundations.pdf

- Modifiablity tactics

  > https://www.youtube.com/watch?v=3yaPV-8rSx4&feature=youtu.be

  > https://www.youtube.com/watch?v=-t9eduXQ-mI&feature=youtu.be

- Solution Architecture

  > http://youtube.com/watch?v=2uqz8FDo1oc

  > https://www.youtube.com/watch?v=v8-piIk8Ols&feature=youtu.be

- Refactoring

  https://sourcemaking.com/refactoring

- Metrics

  https://drive.google.com/file/d/1yNs0CfFtXLeaOU76vhNbCPn8bSL4LnGx/view?usp=sharing

- Tactics

  https://drive.google.com/file/d/165qh-zVUgjU4XrnUxO7g7Ba45jt-oPjF/view?usp=sharing

- Design principles and patterns

https://docs.google.com/presentation/d/1hy0kIwZfCUGtBI-Aw1q_RDID2-JAmD5rznvtm4mUmpE/edit

- Software Engineering

https://docs.google.com/presentation/d/1rVotw1ue_nUxNmBQ8ZSSvBznoqlV9NkUkaP7lP36n34/edit?usp=drive_web&authuser=1