

Project Overview

CS 272 Software Development

Search Engine Components

- Implement building from **stemmed text files**
- Implement **data structure** that supports search } 1
- Implement **search** algorithm } 2
- Implement **multithreading** for efficiency } 3
- Implement building from **web pages**
- Implement **search engine front-end** interface } 4

Project Overview

Project	Part 1: JUnit Tests	Part 2: Code Review
1	Inverted Index Functionality	Inverted Index Design
2	Partial Search Functionality	Partial Search Design
3	Multithreading Functionality	Multithreading Design
4	Web Crawler Functionality	Search Engine Functionality



Functionality

- Evaluated via JUnit tests
- Earned when pass 100% of tests on Github
- Lose -2% per 24 hours functionality is late
- Prerequisite to code review and design grade

Design

- Evaluated via code review
- Earned when pass code review with instructor
- Lose -5% per 72 hours first code review is late
- Lose -5% if more than 10 days between reviews

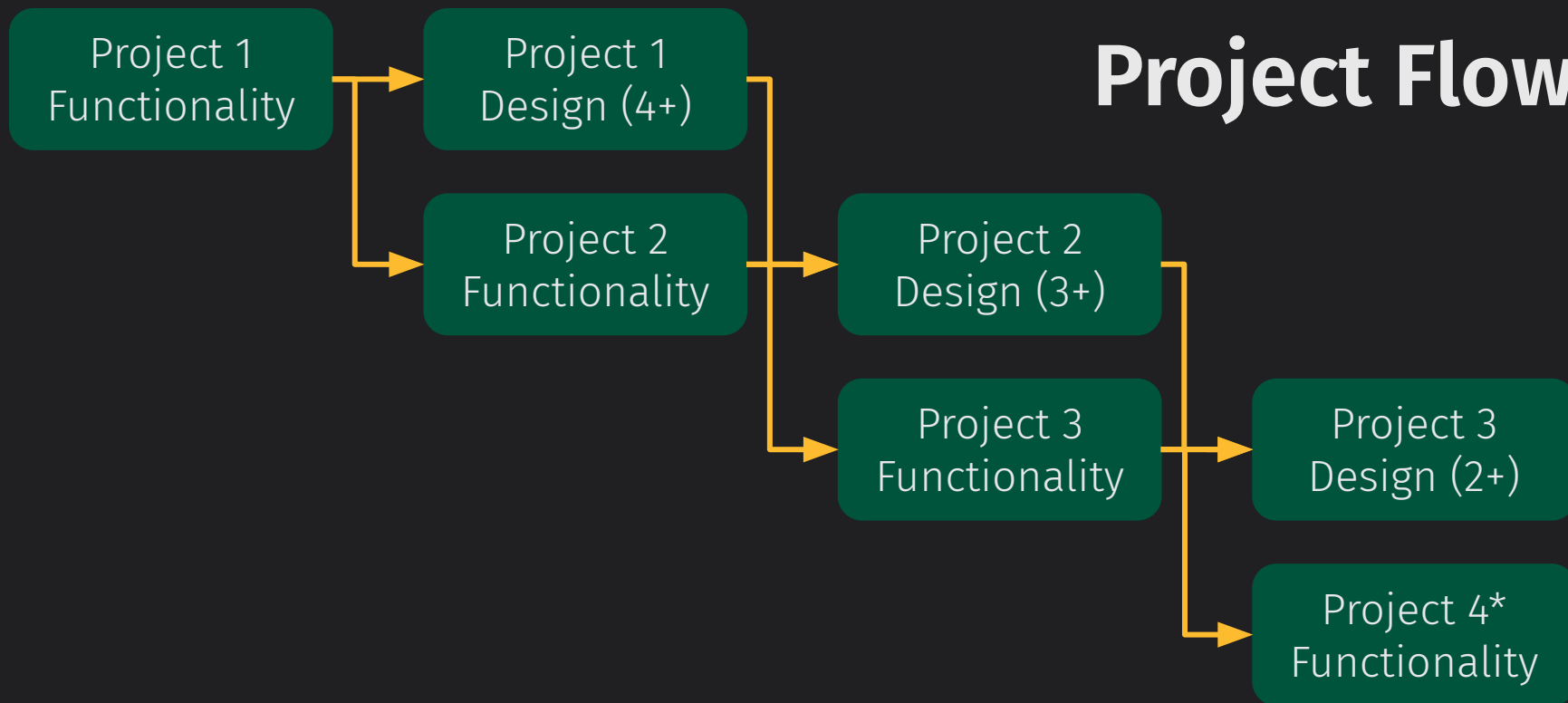


Project Rules

- Can earn grade for no more than 1 project ahead
 - Cannot work on project 3 until pass both functionality and design for project 1
- Must pass functionality tests before every code review
- Must pass design of previous project before next
- May only have one synchronous code review with instructor per week



Project Flow



x+ : expected number of code reviews

**Project 4 Search Engine evaluated during finals week only*

Code Reviews

- One-on-one appointments with instructor via Zoom
- Cover as much as possible in 20 minutes
- Will be given improvements to make to the code
- Require 2 to 5 code reviews to pass design
- May have only one synchronous review per week



Questions?

