

# CS 310 : Scalable Software Architectures

*Week 04 (Oct 14 – 18)*



## October 2024

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

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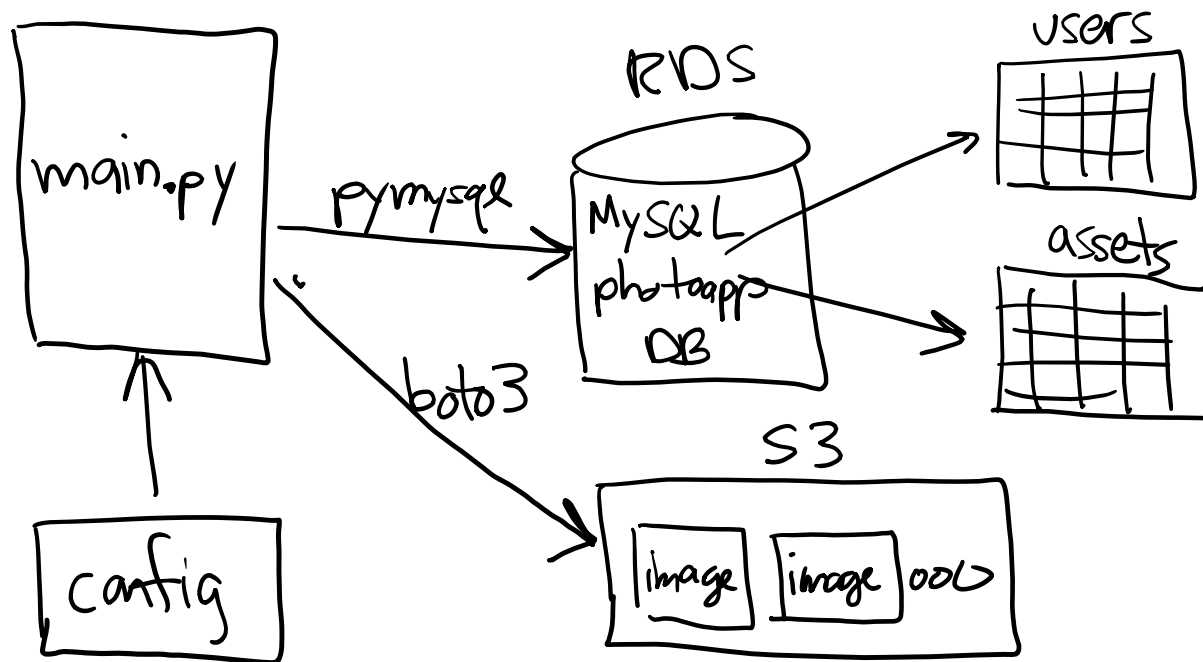
## This week in CS 310:

- *Focus this week:*
  - *Building and designing web services*
- *Class sessions on Tuesday, no class on Thursday*
  - *Tuesday class sessions are being recorded*
- *Project 02 has been released, two steps:*
  1. *Program web service for PhotoApp, rewrite client*
  2. *Configure AWS EC2 to host web service*
  - *Both parts due Friday October 25<sup>th</sup> @ 11:59pm*
- *Some optional readings on JavaScript coding:*
  - <https://bit.ly/async-js-intro-01>
  - <https://bit.ly/async-js-intro-02>



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# Project 01 => Project 02



# Topics

- **Server-side JavaScript, Node.js and Express**
- **Asynchronous execution**
- **Designing a web service**
- **RESTful APIs**
- **Other approaches such as GraphQL**

# **Class sessions**

- **Summarize key points of lecture**
  - **Work with server-side JavaScript and Node.js**
  - **Asynchronous program design: callbacks vs. Promises**
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- **Note: no class sessions on Thursday, just Tuesday**