Final Exam Review

These are several high-level topics that appear frequently on my exams. This is by no means a complete review list. Be sure to review the documents posted on the course timeline. Also, review the Midterm practice as well. Some topics from the midterm may appear on the final.

- At a high level, describe how you would add Express-style routing to the server you wrote.

- What are cookies?

- For each cookie setting (path, domain, httpOnly, secure, etc.), describe a circumstance when it would be useful.

- Describe at a high level what you would have to add to `BasicHTTPTransaction` to support cookies.

- Describe at a high level what you would have to add to `SimpleHTTPServer` to support cookies.

- Describe how sessions work.

- Discuss the advantages and disadvantages of Single Page apps as compared to more traditional server-based web apps.

- How do `PUT` and `PATCH` differ? When are they used?

- What are some HTTP return statuses commonly seen when working with an API?

- What is "responsive" web design?

- What is a "media query?"

- When using Bootstrap, how does `col-sm-3` differ from `col-3`?

- With respect to AJAX, what is a "ready state"?

- How does Bootstrap support responsive web design?

- What is a "mobile first" design approach? What are the advantages and disadvantages?

- What is code injection? How is it potentially dangerous? What do you do to prevent it?

- What is Cross Site Request Forgery (CSRF)? How does a CSRF attack work? What do you do to prevent it?

- What is the Same Origin policy? What type of attacks does it prevent?

- What is CORS? What is it used for? What are it's limitations?

- What are *Promises*? When/Why are they used?