

# CMSC335

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## Web Application Development with JavaScript



async/await

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# async/await

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- Standardized in ES8
- `async` and `await` **sequentializes** asynchronous code
- Make the use of Promises more comfortable (easy to write and read)
  - can avoid using `.then` chain
- **`async`** : put before a function
  - **Means that a function returns a promise**
  - Return values are wrapped in a resolved promise
- **`await`** : put before using a returned promise
  - Makes JavaScript wait until that promise is resolved or rejected
  - **Can't use `await` in regular functions (Syntax error)**
    - » `SyntaxError: await is only valid in async function`
- **Example:** `getJSONProblem.js`, `asyncWaitGetJSON.js`