

# Assignment 5

Due Date: April 10, 2018 at 7:00 PM

## Overview

This assignment will be worth **10%** of your total grade.

## Specifications

For this assignment, you will write an API Server that listens on the **port provided by the first argument to your program**.

### JSON API Server

Write an HTTP server called `api.js` that serves JSON data when it receives a GET request to the path `/api/parsetime`. Expect the request to contain a query string with a key `'iso'` and an ISO-format time as the value.  
For example: `/api/parsetime?iso=2013-08-10T12:10:15.474Z`

The JSON response should contain only `'hour'`, `'minute'` and `'second'` properties.

For example: `{ "hour": 14, "minute": 23, "second": 15 }`

Add second endpoint for the path `/api/unixtime` which accepts the same query string but returns UNIX epoch time in milliseconds (the number of milliseconds since 1 Jan 1970 00:00:00 UTC) under the property `'unixtime'`.

For example: `{ "unixtime": 1376136615474 }`

Please return a 200 status code if the request is correct and a 401 if the request is not correct (invalid endpoint, arguments, etc.)

## Submission

Please submit the following on Blackboard:

- `api.js`



Figure 1: parsetime endpoint

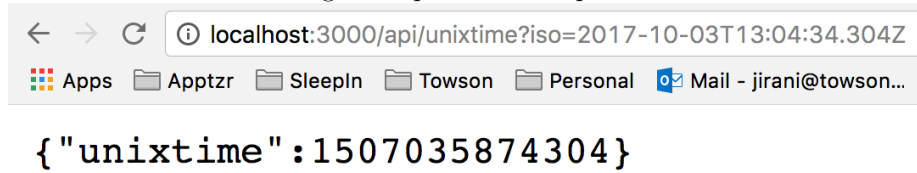


Figure 2: unixtime endpoint