

Open-Source Report

Proof of knowing your stuff in CSE312

Guidelines

Provided below is a template you must use to write your reports for your project.

Here are some things to note when working on your report, specifically about the **General Information & Licensing** section for each technology.

- **Code Repository:** Please link the code and not the documentation. If you'd like to refer to the documentation in the **Magic** section, you're more than welcome to, but we need to see the code you're referring to as well.
- **License Type:** Three letter acronym is fine.
- **License Description:** No need for the entire license here, just what separates it from the rest.
- **License Restrictions:** What can you *not* do as a result of using this technology in your project? Some licenses prevent you from using the project for commercial use, for example.

Also, feel free to extend the cell of any section if you feel you need more room.

If there's anything we can clarify, please don't hesitate to reach out! You can reach us using the methods outlined on the course website or see us during our office hours.

Express.js

General Information & Licensing

Code Repository	https://github.com/expressjs/express
License Type	Unlimited Use License
License Description	<p>(The MIT License)</p> <p>Copyright (c) 2009-2014 TJ Holowaychuk <tj@vision-media.ca> Copyright (c) 2013-2014 Roman Shtylman <shtylman+expressjs@gmail.com> Copyright (c) 2014-2015 Douglas Christopher Wilson <doug@somethingdoug.com></p> <p>Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the 'Software'), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge,</p>

	<p>publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:</p> <p>The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.</p> <p>THE SOFTWARE IS PROVIDED 'AS IS', WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.</p>
License Restrictions	<ul style="list-style-type: none"> • No restrictions

- Once the request is handled by NodeJs ^ . Expresses req variable in this:
 - `var req = Object.create(http.IncomingMessage.prototype)`
 - Repo/File Link:
 - <https://github.com/expressjs/express/blob/0debedf4f31bb20203da0534719b9b10d6ac9a29/lib/request.js#L31>
Line 31
 - Then the req is parsed and saved into the req variable. The pathname is stored in the req for express to define functionality for later.
 - The `.IncomingMessage` attached to the http is part of the http class that allows access to response headers, requests, and data
 - <https://github.com/nodejs/node/blob/7984af69a090dd6d1f60ffe7e194d5e69bce0c20/doc/api/http.md#class-httpincomingmessage>
 - Link to `http.IncomingMessage` class documentation ^
- COOKIES:
 - We also used a cookie parser module which is a part of expressJs to parse the cookies once the request was made (LINE 5, 22 of app.ts in our code)
 - <https://github.com/expressjs/cookie-parser/tree/master>
 - This code allows us to use `req.cookies` when parsing the cookies for a given request.
 - As stated in the readme this is an api for express and all it does is set cookies variable for req on a request.

