

1 - Login

⬅️ ➡️ ↺

http://

☆ ≡

Login

Email

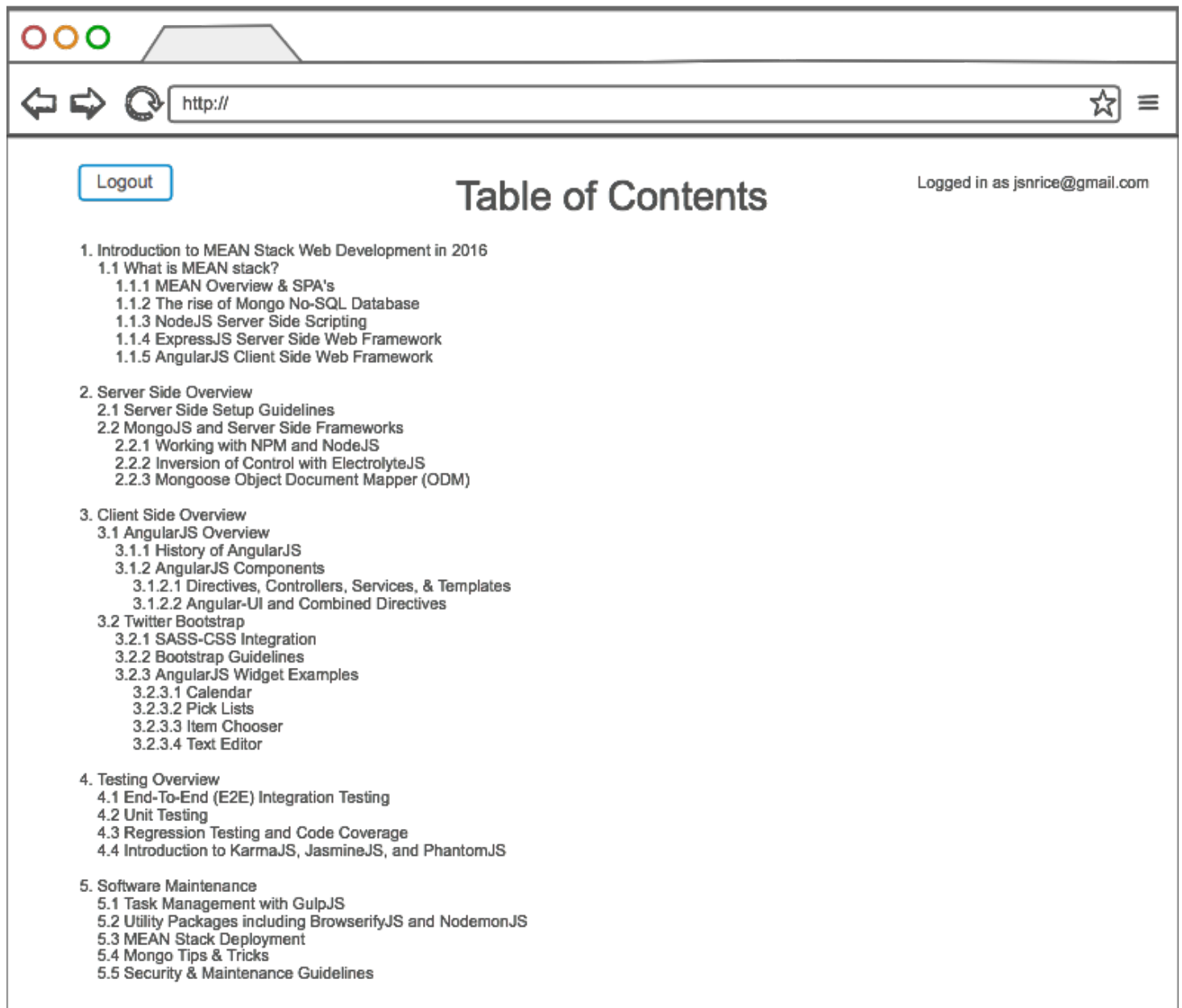
jsnrice@gmail.com

Password

☒ Remember me

Sign in

2 - TableOfContents

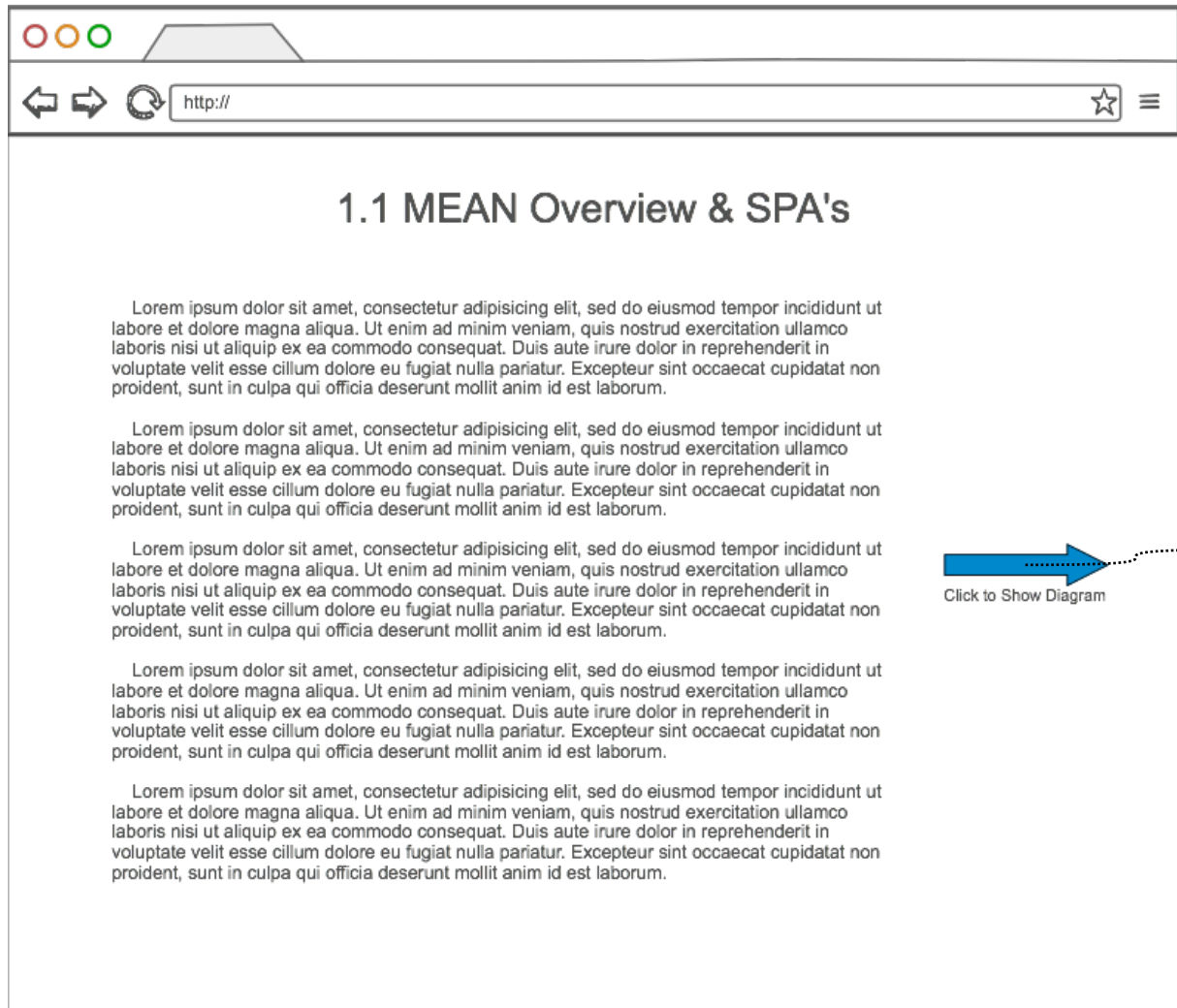


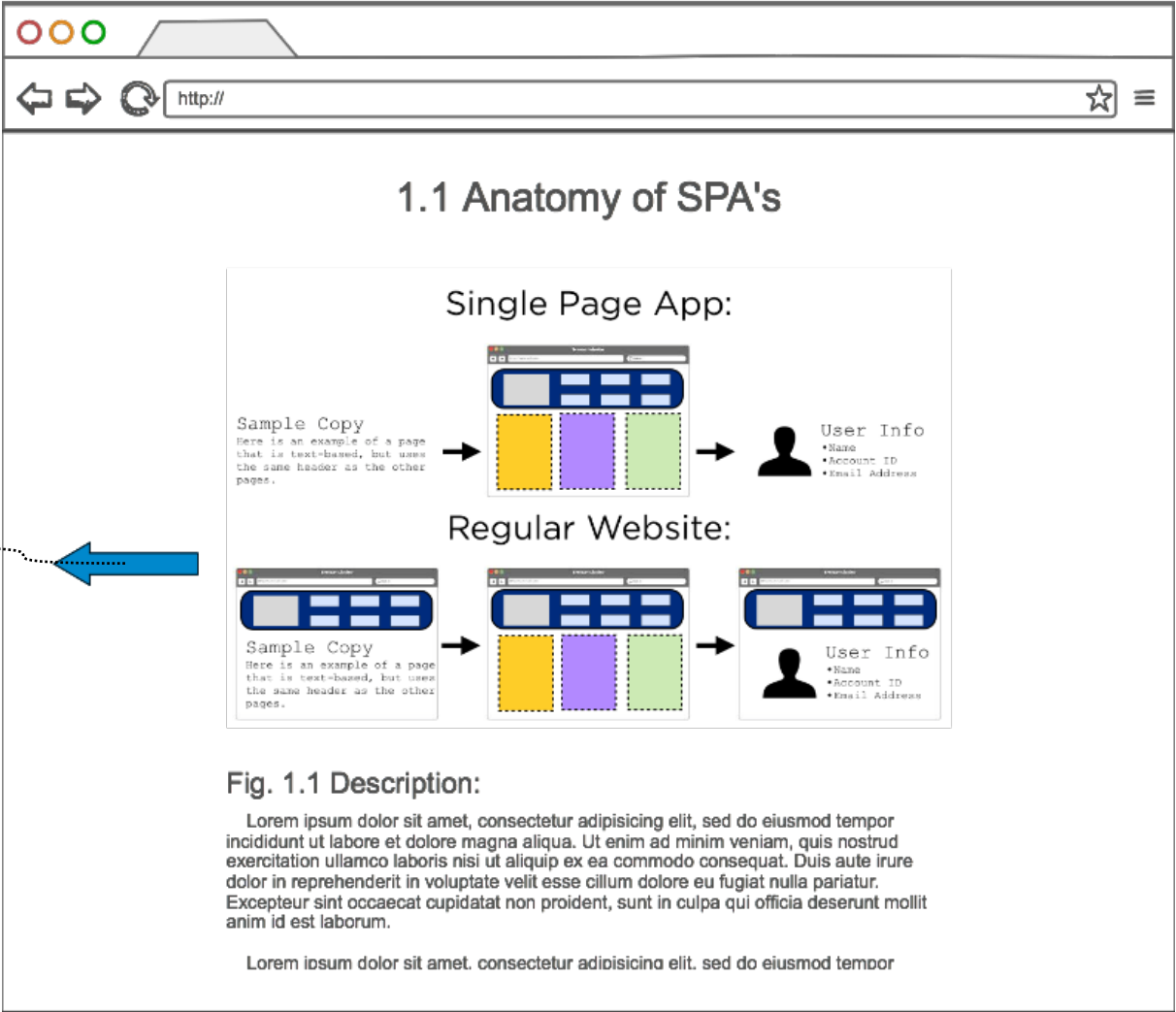
Logout

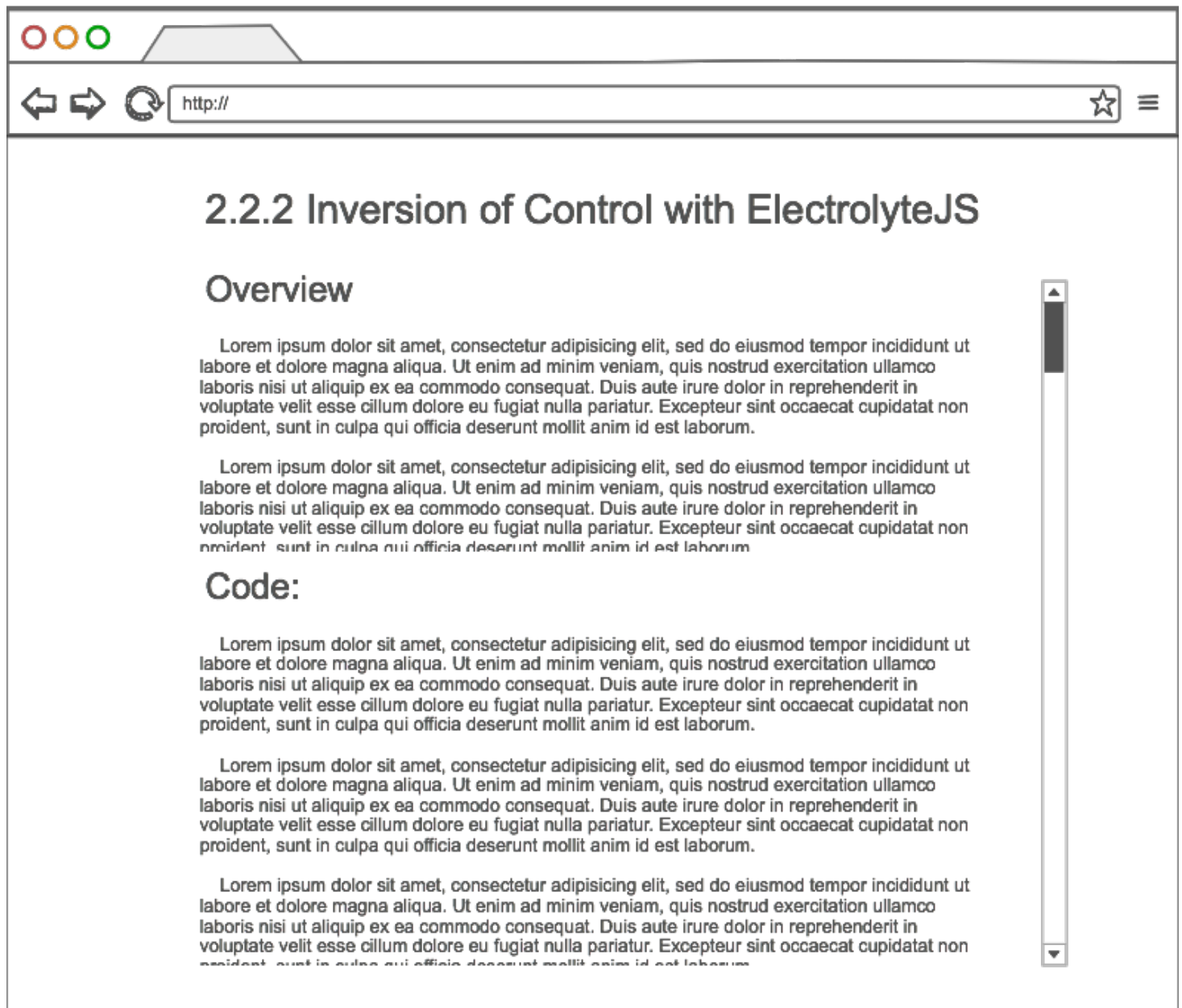
Table of Contents

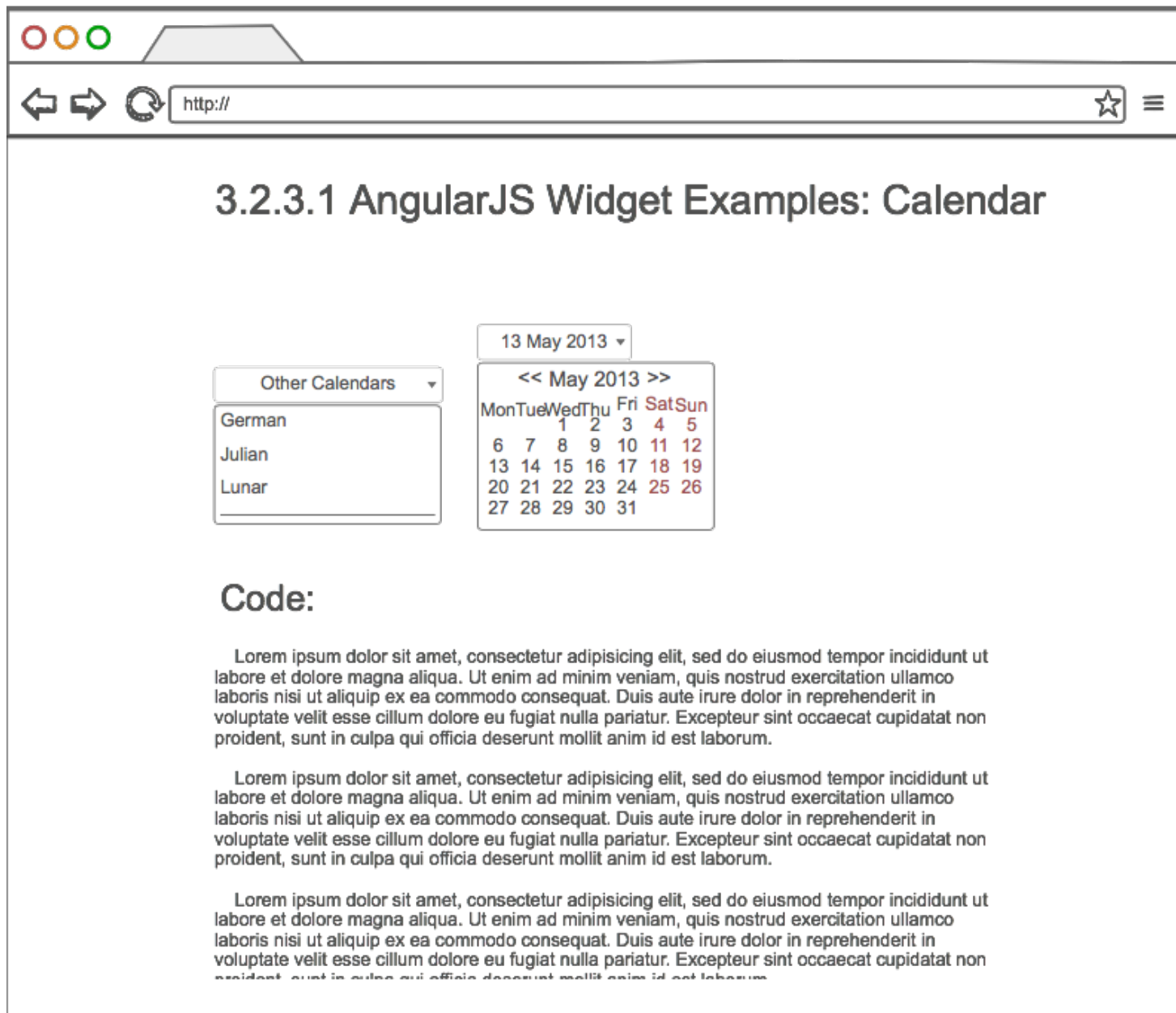
Logged in as jsnrice@gmail.com

1. Introduction to MEAN Stack Web Development in 2016
 - 1.1 What is MEAN stack?
 - 1.1.1 MEAN Overview & SPA's
 - 1.1.2 The rise of Mongo No-SQL Database
 - 1.1.3 NodeJS Server Side Scripting
 - 1.1.4 ExpressJS Server Side Web Framework
 - 1.1.5 AngularJS Client Side Web Framework
2. Server Side Overview
 - 2.1 Server Side Setup Guidelines
 - 2.2 MongoJS and Server Side Frameworks
 - 2.2.1 Working with NPM and NodeJS
 - 2.2.2 Inversion of Control with ElectrolyteJS
 - 2.2.3 Mongoose Object Document Mapper (ODM)
3. Client Side Overview
 - 3.1 AngularJS Overview
 - 3.1.1 History of AngularJS
 - 3.1.2 AngularJS Components
 - 3.1.2.1 Directives, Controllers, Services, & Templates
 - 3.1.2.2 Angular-UI and Combined Directives
 - 3.2 Twitter Bootstrap
 - 3.2.1 SASS-CSS Integration
 - 3.2.2 Bootstrap Guidelines
 - 3.2.3 AngularJS Widget Examples
 - 3.2.3.1 Calendar
 - 3.2.3.2 Pick Lists
 - 3.2.3.3 Item Chooser
 - 3.2.3.4 Text Editor
4. Testing Overview
 - 4.1 End-To-End (E2E) Integration Testing
 - 4.2 Unit Testing
 - 4.3 Regression Testing and Code Coverage
 - 4.4 Introduction to KarmaJS, JasmineJS, and PhantomJS
5. Software Maintenance
 - 5.1 Task Management with GulpJS
 - 5.2 Utility Packages including BrowserifyJS and NodemonJS
 - 5.3 MEAN Stack Deployment
 - 5.4 Mongo Tips & Tricks
 - 5.5 Security & Maintenance Guidelines









The screenshot shows a web browser window with a title bar and address bar. The address bar contains "http://". The main content area displays the title "3.2.3.1 AngularJS Widget Examples: Calendar". Below the title, there is a calendar widget. The widget includes a date selector at the top showing "13 May 2013". To the left of the calendar is a dropdown menu labeled "Other Calendars" with options: "German", "Julian", and "Lunar". The calendar itself is a grid for May 2013, with days of the week as headers and dates 1 through 31. The current date, 13 May, is highlighted in red. Below the calendar, the word "Code:" is followed by three paragraphs of Lorem Ipsum text.

3.2.3.1 AngularJS Widget Examples: Calendar

Other Calendars

- German
- Julian
- Lunar

13 May 2013

<< May 2013 >>

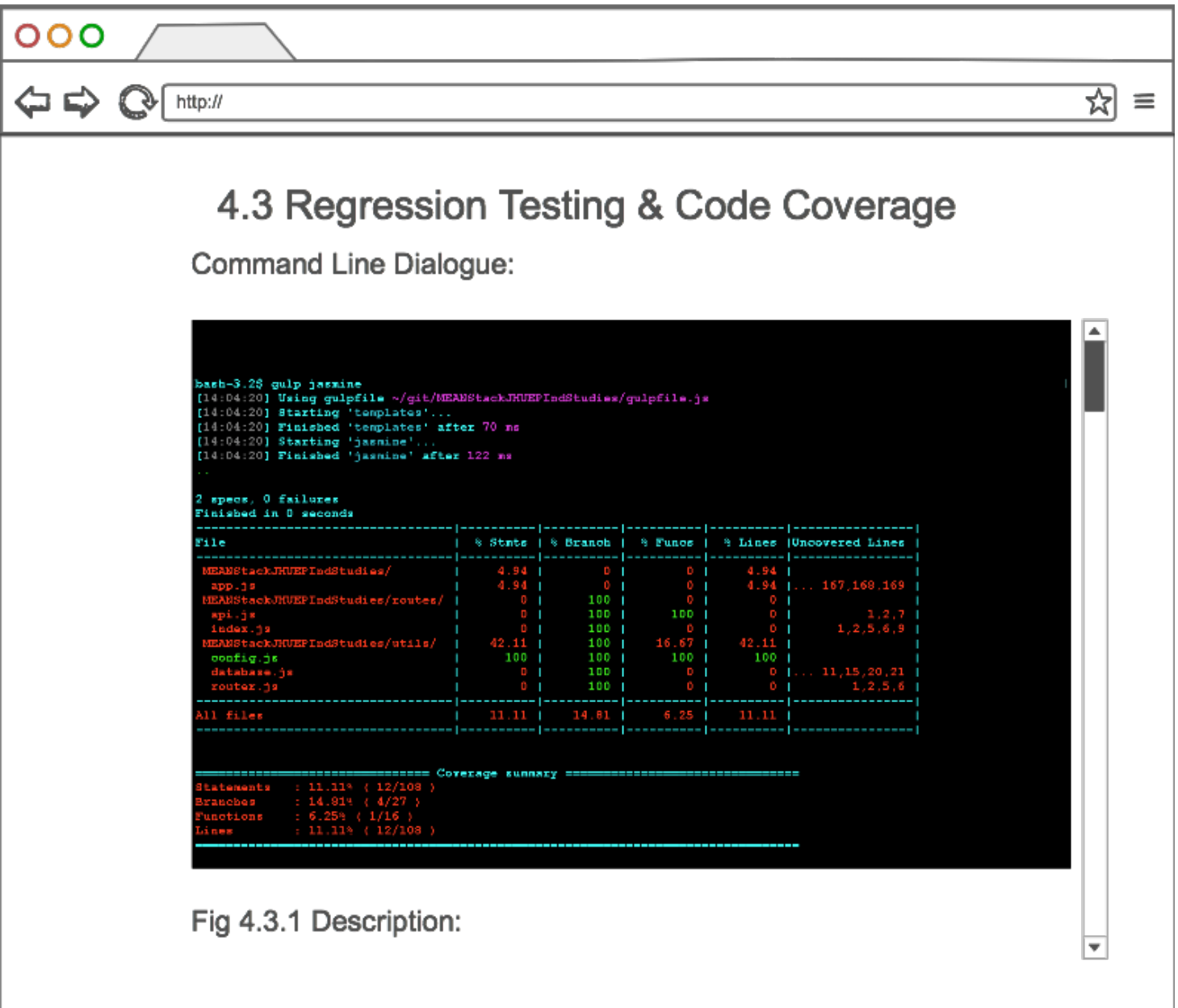
Mon	Tue	Wed	Thu	Fri	Sat	Sun
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Code:

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.



The screenshot shows a web browser window with a terminal output of a Jasmine test run. The terminal text is as follows:

```

bash-3.2$ gulp jasmine
[14:04:20] Using gulpfile ~/git/MEANStackJHUEPIndStudies/gulpfile.js
[14:04:20] Starting 'templates'...
[14:04:20] Finished 'templates' after 70 ms
[14:04:20] Starting 'jasmine'...
[14:04:20] Finished 'jasmine' after 122 ms
...

2 specs, 0 failures
Finished in 0 seconds

```

File	% Stmts	% Branch	% Funct	% Lines	Uncovered Lines
MEANStackJHUEPIndStudies/	4.94	0	0	4.94	
app.js	4.94	0	0	4.94	... 167,169,169
MEANStackJHUEPIndStudies/routes/	0	100	0	0	
api.js	0	100	100	0	1,2,7
index.js	0	100	0	0	1,2,5,6,9
MEANStackJHUEPIndStudies/utils/	42.11	100	16.67	42.11	
config.js	100	100	100	100	
database.js	0	100	0	0	... 11,15,20,21
router.js	0	100	0	0	1,2,5,6
All files	11.11	14.81	6.25	11.11	

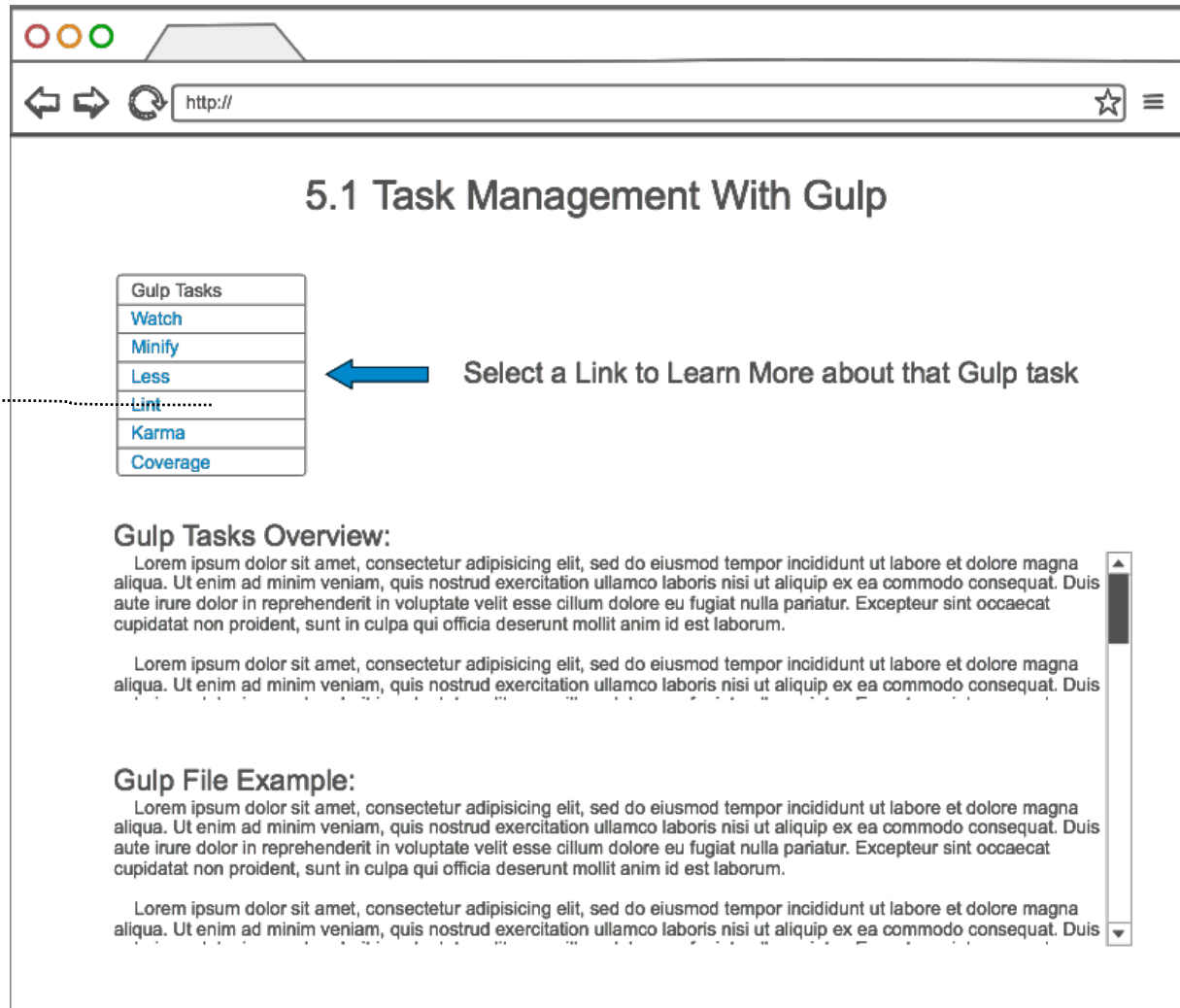
```

===== Coverage summary =====
Statements : 11.11% ( 12/108 )
Branches   : 14.81% ( 4/27 )
Functions  : 6.25% ( 1/16 )
Lines      : 11.11% ( 12/108 )

```

Fig 4.3.1 Description:

9



5.1 Task Management With Gulp

Gulp Tasks

Watch

Minify

Less

Lint

Karma

Coverage

Select a Link to Learn More about that Gulp task

Gulp Tasks Overview:

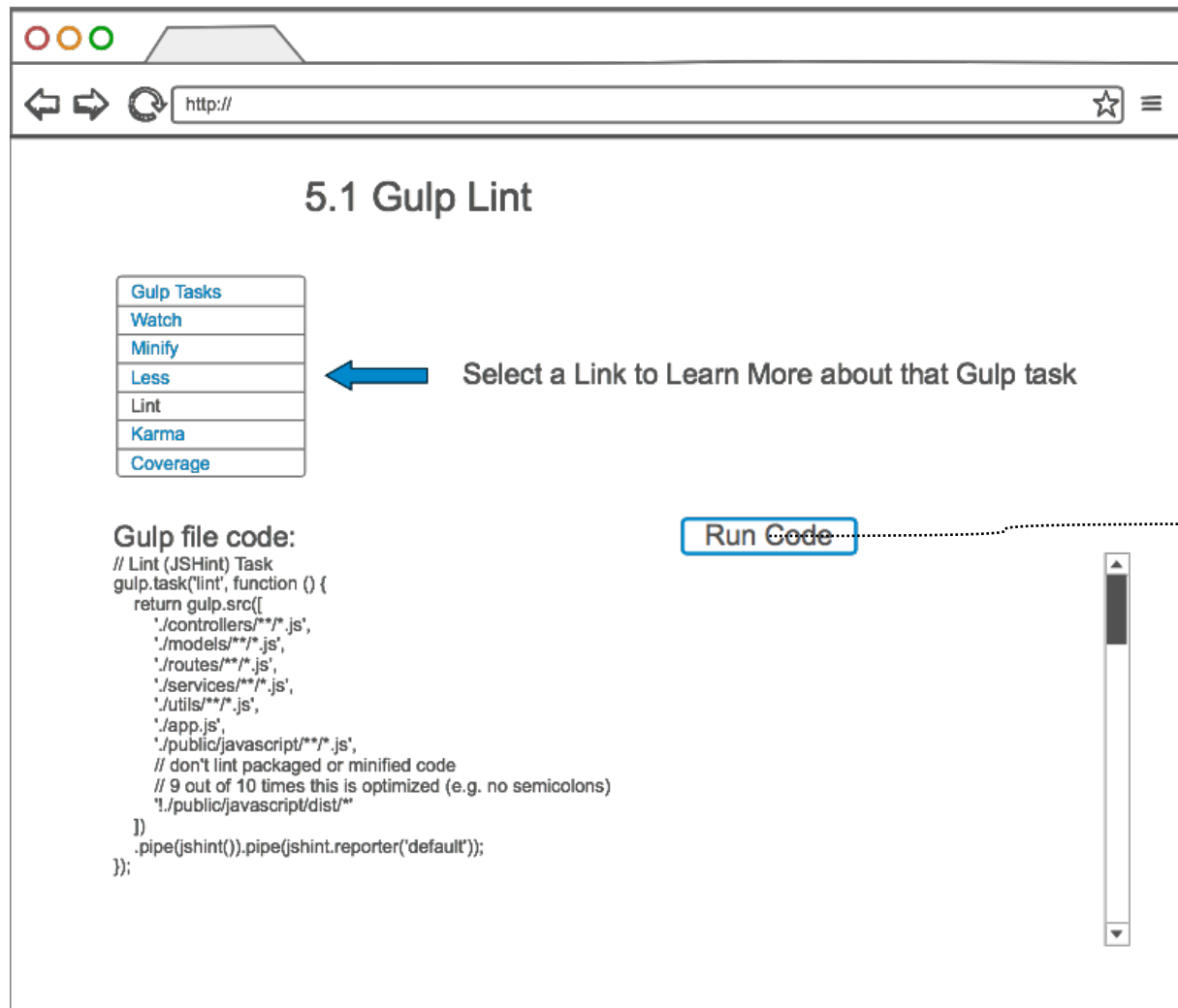
Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute inure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute inure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Gulp File Example:

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute inure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute inure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.



5.1 Gulp Lint

Gulp Tasks
Watch
Minify
Less
Lint
Karma
Coverage

← Select a Link to Learn More about that Gulp task

Gulp file code:

```
// Lint (JSHint) Task
gulp.task('lint', function () {
  return gulp.src([
    './controllers/**/*.js',
    './models/**/*.js',
    './routes/**/*.js',
    './services/**/*.js',
    './utils/**/*.js',
    './app.js',
    './public/javascript/**/*.js',
    // don't lint packaged or minified code
    // 9 out of 10 times this is optimized (e.g. no semicolons)
    '!./public/javascript/dist/*'
  ])
  .pipe(jshint()).pipe(jshint.reporter('default'));
});
```

[Run Code](#)

10

5.1 Gulp Lint

Gulp Tasks
Watch
Minify
Less
Lint
Karma
Coverage

← Select a Link to Learn More about that Gulp task

Run Dialogue:

[Show Code](#)

```
bash-3.2$ gulp lint
[14:56:25] Using gulpfile ~/git/MEANStackJHUEPIndStudies/gulpfile.js
[14:56:25] Starting 'lint'...
/Users/jsnrice/git/MEANStackJHUEPIndStudies/utlis/config.js: line 19, col 23, Expected a 'break' statement before
'default'.

1 error
/Users/jsnrice/git/MEANStackJHUEPIndStudies/app.js: line 129, col 1, Unnecessary semicolon.
/Users/jsnrice/git/MEANStackJHUEPIndStudies/app.js: line 152, col 1, Unnecessary semicolon.
/Users/jsnrice/git/MEANStackJHUEPIndStudies/app.js: line 170, col 2, Unnecessary semicolon.
3 errors
[14:56:26] Finished 'lint' after 275 ms
```