# <Project Name> Release Summary (6 pages MAX)

## Team members

|  |  |  |
| --- | --- | --- |
| Name and Student ID | GitHub ID | The number of story points (or ideal hours for tasks) that a member was an **author**. |
| **Aaron Le** | **adl409** | 140 Story Points |
| Wen Chen | wchen2654 | 150 Story Points |
| Nathan Lechner | Na7hanL | 130 Story Points |
| Scott Hoerchler | Rien98 | 130 Story Points |

Each group member is responsible for counting their own story points. It is the group leader’s duty and responsibility to make sure they are accurate. Please keep in mind that we will check your GitHub stats (go to: “Graphs” on your GitHub project page, for [example](https://github.com/marouen-lamiri/Second-Soul/graphs/contributors)). Note, if your email and GitHub id are not linked properly you will not be counted properly.

You will lose 1 mark if links below are not clickable.

## Project summary (max one paragraph)

An e-commerce store that allows users to buy and sell books via the web application. The web application implements Node.js as its framework language and MySQL as its database.

## Velocity and a list of user stories (for [example](https://github.com/solid/user-stories)) and non-story tasks for each iteration

(make sure the iteration is a clickable link to the milestone/sprint on GitHub)

24 stories over 25 weeks 24 \* 25 = 600 story points

Total: 24 stories, 600 points over 25 weeks

Iteration 1 (3 stories, 100 points) 🡪 No User Stories created

Iteration 2 (7 stories, 120 points) 🡪 Began creating User Stories

Iteration 3(11 stories, 200 points)

Iteration 4, Release(2 stories, 180 points)

## Overall Arch and Design

Show us the overall architecture (block diagram) in your system with an architecture diagram.

Show the UML class diagram for your system. If you have multiple packages, show the diagram for at least one package that has more than 10 classes. You can also include these diagrams in your stories on GitHub (by providing URLs).

Activity and State Diagram: <https://github.com/adl409/SE-project-Group-5/tree/main/activityDiagramXMLS>

Class Diagram: <https://github.com/adl409/SE-project-Group-5/tree/main/classDiagramXML>

Component Diagram: <https://github.com/adl409/SE-project-Group-5/tree/main/componentDiagramXMLS>

Sequence Diagram: <https://github.com/adl409/SE-project-Group-5/tree/main/sequenceDiagramXMLS>

Use case Diagram: <https://github.com/adl409/SE-project-Group-5/tree/main/useCaseDiagramXMLS>

Web Architecture Diagram: <https://github.com/adl409/SE-project-Group-5/tree/main/webArchitectureDiagramXMLS>

## Infrastructure

Framework: Node.js

Database: MySQL

**Name and link**

**Node.js:** [**https://nodejs.org/en**](https://nodejs.org/en)

**MySQL:** [**https://www.mysql.com**](https://www.mysql.com)

Max 1 paragraph description of why you are using this framework.

We had decided on Node.js because none of the members had really used it before and thought it would be a good thing to learn and get experience using it. Node.js is a great framework for building a web application and when paired with jest for testing can become straight forward as to how to get the web application running.

Max 1 paragraph description of other alternatives and why you didn’t choose them.

We had thought about python and its capabilities of building web applications. Although members have experience in building applications with python, we decided not to go with a python framework due to the desire to go with Node.js.

## Name Conventions

List your naming conventions or just provide a link to the standard ones used online.

For example: [Java naming conventions](http://www.oracle.com/technetwork/java/codeconventions-135099.html)

Naming conventions used:[Java naming conventions](http://www.oracle.com/technetwork/java/codeconventions-135099.html)

Naming conventions used: [Node.js naming conventions](https://github.com/felixge/node-style-guide)

## Code

Key files: top **5** most important files (full path). We will also be randomly checking the code quality of files. Please let us know if there are parts of the system that are stubs or are a prototype so we grade these accordingly.

|  |  |
| --- | --- |
| File path with a clickable GitHub link | Purpose (1 line description) |
| <https://github.com/adl409/SE-project-Group-5/blob/main/Code/index.js> | This is the index for the application which is the backbone of all js code we have. |
| <https://github.com/adl409/SE-project-Group-5/blob/main/Code/Classes/admin.js> | This is the admin class which controls the admin portion of the application. |
| <https://github.com/adl409/SE-project-Group-5/blob/main/Code/Classes/buyer.js> | This is the buyer class which controls the buyer portion of the application. |
| <https://github.com/adl409/SE-project-Group-5/blob/main/Code/Classes/owner.js> | This is the owner class which controls the owner portion of the application. |
| <https://github.com/adl409/SE-project-Group-5/blob/main/Code/Classes/seller.js> | This is the seller class which controls the seller portion of the application. |

## Testing and Continuous Integration

Each story needs a test before it is complete. If some class/methods are missing unit tests, please describe why and how you are checking their quality. Please describe any unusual/unique aspects of your testing approach.

List the **5** most important unit test with links below.

|  |  |
| --- | --- |
| Test File path with clickable GitHub link | What is it testing (1 line description) |
| <https://github.com/adl409/SE-project-Group-5/blob/main/Code/Unit_Test/createaccount.test.js> | Create account functionality |
| <https://github.com/adl409/SE-project-Group-5/blob/main/Code/Unit_Test/buyer.test.js> | Buyer functionality |
| <https://github.com/adl409/SE-project-Group-5/blob/main/Code/Unit_Test/seller.test.js> | Seller functionality |
| <https://github.com/adl409/SE-project-Group-5/blob/main/Code/Unit_Test/setadmin.test.js> | Set admin functionality |
| <https://github.com/adl409/SE-project-Group-5/blob/main/Code/Unit_Test/login.test.js> | Login functionality |

List the **5** most important acceptance tests with links below.

|  |  |
| --- | --- |
| Test File path (if you automated the test) or as comments in Github issues (if it’s done manually) with clickable GitHub link | Which user story is it testing (1 line description) |
| <https://github.com/adl409/SE-project-Group-5/blob/main/Code/Unit_Test/createaccount.test.js> | Buyer user story 7 |
| <https://github.com/adl409/SE-project-Group-5/blob/main/Code/Unit_Test/login.test.js> | Buyer 4/ Seller 3/ Admin 2/ Owner 5 |
| <https://github.com/adl409/SE-project-Group-5/blob/main/Code/Unit_Test/setadmin.test.js> | Admin 3 |
| <https://github.com/adl409/SE-project-Group-5/blob/main/Code/Unit_Test/seller.test.js> | Seller 4 |
| <https://github.com/adl409/SE-project-Group-5/blob/main/Code/Unit_Test/block.test.js> | Owner 3 |

Describe your continuous integration environment. Include a link to your CI.

We used Github actions for CI testing for ease of use purposes when it comes to having all of our tests and information in one place.

Link: <https://github.com/adl409/SE-project-Group-5/actions>

Static Analysis:

ESLint was used for static analysis. First a ESLint configuration file was created with a list of rules to judge code against. These rules included many stylistic checks as well as checks for return values and proper loop iterations. Analysis was performed in the command line with

“npx eslint ./<directory-name> --fix” The “fix” option eliminated may of the stylistic errors. A report is attached below with all warnings and errors. Additionally ten

Static Analysis Report:

/home/nathan/SElab/SE-project-Group-5/Code/Classes/admin.js

1:1 error Rule 'no-empty-label' was removed and replaced by: no-labels no-empty-label

1:1 error Rule 'space-return-throw-case' was removed and replaced by: keyword-spacing space-return-throw-case

1:13 error 'require' is not defined no-undef

25:29 warning Identifier 'user\_id' is not in camel case camelcase

28:23 warning Identifier 'user\_id' is not in camel case camelcase

35:23 warning Identifier 'user\_id' is not in camel case camelcase

39:17 warning 'con' is already declared in the upper scope on line 3 column 5 no-shadow

48:100 warning Identifier 'user\_id' is not in camel case camelcase

51:40 warning Expected '===' and instead saw '==' eqeqeq

67:19 warning Identifier 'user\_id' is not in camel case camelcase

71:17 warning 'con' is already declared in the upper scope on line 3 column 5 no-shadow

80:100 warning Identifier 'user\_id' is not in camel case camelcase

83:40 warning Expected '===' and instead saw '==' eqeqeq

98:21 warning Identifier 'user\_id' is not in camel case camelcase

102:17 warning 'con' is already declared in the upper scope on line 3 column 5 no-shadow

111:97 warning Identifier 'user\_id' is not in camel case camelcase

116:40 warning Expected '===' and instead saw '==' eqeqeq

131:20 warning Identifier 'user\_id' is not in camel case camelcase

135:17 warning 'con' is already declared in the upper scope on line 3 column 5 no-shadow

144:91 warning Identifier 'user\_id' is not in camel case camelcase

147:40 warning Expected '===' and instead saw '==' eqeqeq

165:1 error 'module' is not defined no-undef

/home/nathan/SElab/SE-project-Group-5/Code/Classes/buyer.js

1:1 error Rule 'no-empty-label' was removed and replaced by: no-labels no-empty-label

1:1 error Rule 'space-return-throw-case' was removed and replaced by: keyword-spacing space-return-throw-case

1:13 error 'require' is not defined no-undef

15:13 warning 'con' is already declared in the upper scope on line 3 column 5 no-shadow

37:1 error 'module' is not defined no-undef

71:27 warning Expected '===' and instead saw '==' eqeqeq

73:17 warning 'query' is already declared in the upper scope on line 69 column 13 no-shadow

81:38 error 'reject' is defined but never used no-unused-vars

82:17 warning 'con' is already declared in the upper scope on line 3 column 5 no-shadow

95:45 error 'result' is defined but never used no-unused-vars

110:28 error Promise executor functions should not be async no-async-promise-executor

111:17 warning 'con' is already declared in the upper scope on line 3 column 5 no-shadow

128:45 error 'result' is defined but never used no-unused-vars

141:28 error Promise executor functions should not be async no-async-promise-executor

142:17 warning 'con' is already declared in the upper scope on line 3 column 5 no-shadow

157:45 error 'result' is defined but never used no-unused-vars

170:13 warning 'con' is already declared in the upper scope on line 3 column 5 no-shadow

191:17 warning 'query' is already declared in the upper scope on line 185 column 13 no-shadow

199:30 error 'inventory' is not defined no-undef

205:21 warning 'query' is already declared in the upper scope on line 191 column 17 no-shadow

208:48 error 'result' is defined but never used no-unused-vars

219:41 error 'result' is defined but never used no-unused-vars

236:13 warning 'con' is already declared in the upper scope on line 3 column 5 no-shadow

264:13 warning 'con' is already declared in the upper scope on line 3 column 5 no-shadow

278:17 warning 'query' is already declared in the upper scope on line 273 column 13 no-shadow

326:1 error 'module' is not defined no-undef

/home/nathan/SElab/SE-project-Group-5/Code/Classes/owner.js

1:1 error Rule 'no-empty-label' was removed and replaced by: no-labels no-empty-label

1:1 error Rule 'space-return-throw-case' was removed and replaced by: keyword-spacing space-return-throw-case

1:13 error 'require' is not defined no-undef

24:29 warning Identifier 'user\_id' is not in camel case camelcase

27:23 warning Identifier 'user\_id' is not in camel case camelcase

34:20 warning Identifier 'user\_id' is not in camel case camelcase

38:17 warning 'con' is already declared in the upper scope on line 3 column 5 no-shadow

47:91 warning Identifier 'user\_id' is not in camel case camelcase

51:40 warning Expected '===' and instead saw '==' eqeqeq

65:23 warning Identifier 'user\_id' is not in camel case camelcase

69:17 warning 'con' is already declared in the upper scope on line 3 column 5 no-shadow

78:100 warning Identifier 'user\_id' is not in camel case camelcase

81:40 warning Expected '===' and instead saw '==' eqeqeq

96:19 warning Identifier 'user\_id' is not in camel case camelcase

99:17 warning 'mysql' is already declared in the upper scope on line 1 column 5 no-shadow

99:25 error 'require' is not defined no-undef

101:17 warning 'con' is already declared in the upper scope on line 3 column 5 no-shadow

110:100 warning Identifier 'user\_id' is not in camel case camelcase

113:40 warning Expected '===' and instead saw '==' eqeqeq

128:21 warning Identifier 'user\_id' is not in camel case camelcase

132:17 warning 'con' is already declared in the upper scope on line 3 column 5 no-shadow

141:97 warning Identifier 'user\_id' is not in camel case camelcase

146:40 warning Expected '===' and instead saw '==' eqeqeq

161:20 warning Identifier 'user\_id' is not in camel case camelcase

165:17 warning 'con' is already declared in the upper scope on line 3 column 5 no-shadow

174:97 warning Identifier 'user\_id' is not in camel case camelcase

177:40 warning Expected '===' and instead saw '==' eqeqeq

195:1 error 'module' is not defined no-undef

/home/nathan/SElab/SE-project-Group-5/Code/Classes/seller.js

1:1 error Rule 'no-empty-label' was removed and replaced by: no-labels no-empty-label

1:1 error Rule 'space-return-throw-case' was removed and replaced by: keyword-spacing space-return-throw-case

1:13 error 'require' is not defined no-undef

13:13 warning 'con' is already declared in the upper scope on line 3 column 5 no-shadow

34:1 error 'module' is not defined no-undef

57:17 warning 'con' is already declared in the upper scope on line 3 column 5 no-shadow

74:45 error 'result' is defined but never used no-unused-vars

86:38 error 'reject' is defined but never used no-unused-vars

87:17 warning 'con' is already declared in the upper scope on line 3 column 5 no-shadow

100:45 error 'result' is defined but never used no-unused-vars

112:38 error 'reject' is defined but never used no-unused-vars

114:17 warning 'con' is already declared in the upper scope on line 3 column 5 no-shadow

127:45 error 'result' is defined but never used no-unused-vars

140:38 error 'reject' is defined but never used no-unused-vars

141:17 warning 'con' is already declared in the upper scope on line 3 column 5 no-shadow

156:45 error 'result' is defined but never used no-unused-vars

169:13 warning 'con' is already declared in the upper scope on line 3 column 5 no-shadow

196:13 warning 'con' is already declared in the upper scope on line 3 column 5 no-shadow

230:17 warning 'con' is already declared in the upper scope on line 3 column 5 no-shadow

261:1 error 'module' is not defined no-undef

/home/nathan/SElab/SE-project-Group-5/Code/Function\_requirements/create\_account.js

1:1 error Rule 'no-empty-label' was removed and replaced by: no-labels no-empty-label

1:1 error Rule 'space-return-throw-case' was removed and replaced by: keyword-spacing space-return-throw-case

1:13 error 'require' is not defined no-undef

3:57 warning Identifier 'blocked\_flag' is not in camel case camelcase

3:57 error 'blocked\_flag' is defined but never used no-unused-vars

3:71 warning Identifier 'seller\_auth\_flag' is not in camel case camelcase

3:71 error 'seller\_auth\_flag' is defined but never used no-unused-vars

16:22 warning 'validUser' was used before it was defined no-use-before-define

20:17 warning Expected '===' and instead saw '==' eqeqeq

25:44 error 'result' is defined but never used no-unused-vars

60:30 warning Expected '!==' and instead saw '!=' eqeqeq

73:1 error 'exports' is not defined no-undef

/home/nathan/SElab/SE-project-Group-5/Code/Function\_requirements/login.js

1:1 error Rule 'no-empty-label' was removed and replaced by: no-labels no-empty-label

1:1 error Rule 'space-return-throw-case' was removed and replaced by: keyword-spacing space-return-throw-case

1:13 error 'require' is not defined no-undef

43:1 error 'exports' is not defined no-undef

/home/nathan/SElab/SE-project-Group-5/Code/index.js

1:1 error Rule 'no-empty-label' was removed and replaced by: no-labels no-empty-label

1:1 error Rule 'space-return-throw-case' was removed and replaced by: keyword-spacing space-return-throw-case

1:15 error 'require' is not defined no-undef

2:5 error 'ejs' is assigned a value but never used no-unused-vars

2:11 error 'require' is not defined no-undef

3:18 error 'require' is not defined no-undef

4:13 error 'require' is not defined no-undef

5:13 error 'require' is not defined no-undef

6:21 error 'require' is not defined no-undef

7:15 error 'require' is not defined no-undef

9:14 error 'require' is not defined no-undef

10:13 error 'require' is not defined no-undef

11:13 error 'require' is not defined no-undef

12:13 error 'require' is not defined no-undef

66:36 warning A function with a name starting with an uppercase letter should only be used as a constructor new-cap

70:51 warning 'result' is already declared in the upper scope on line 66 column 15 no-shadow

74:40 warning Expected '===' and instead saw '==' eqeqeq

81:46 warning Expected '===' and instead saw '==' eqeqeq

88:46 warning Expected '===' and instead saw '==' eqeqeq

91:69 warning 'err' is already declared in the upper scope on line 70 column 46 no-shadow

91:74 warning 'results' is already declared in the upper scope on line 85 column 25 no-shadow

96:46 warning Expected '===' and instead saw '==' eqeqeq

99:69 warning 'err' is already declared in the upper scope on line 70 column 46 no-shadow

99:74 warning 'results' is already declared in the upper scope on line 85 column 25 no-shadow

155:15 warning Identifier 'user\_id' is not in camel case camelcase

167:44 warning A function with a name starting with an uppercase letter should only be used as a constructor new-cap

177:44 warning A function with a name starting with an uppercase letter should only be used as a constructor new-cap

187:44 warning A function with a name starting with an uppercase letter should only be used as a constructor new-cap

201:44 warning A function with a name starting with an uppercase letter should only be used as a constructor new-cap

211:44 warning A function with a name starting with an uppercase letter should only be used as a constructor new-cap

224:40 warning A function with a name starting with an uppercase letter should only be used as a constructor new-cap

291:9 warning Identifier 'item\_id' is not in camel case camelcase

304:9 warning Identifier 'item\_id' is not in camel case camelcase

351:15 warning Expected '===' and instead saw '==' eqeqeq

355:21 warning Expected '===' and instead saw '==' eqeqeq

360:21 warning Expected '===' and instead saw '==' eqeqeq

362:13 error 'amount' is already defined no-redeclare

✖ 149 problems (61 errors, 88 warnings)