

# Skills and Resources Audit

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The following tables list the skills and resources required to carry out the project.

## Skills

| Name       | Description   | Team Members Responsible            | Relevant Links  |
|------------|---|-------------------------------------|---|
| HTML       | Markup language for specifying content of webpage                                     | Everyone                            | <a href="http://www.w3schools.com/html">www.w3schools.com/html</a>  |
| CSS        | Specifies presentation and style of webpage   | Everyone                            | <a href="http://www.w3schools.com/css/default.asp">www.w3schools.com/css/default.asp</a>                  |
| JavaScript | Implements functionality of webpage   | Arun, Dylan, Jayden, Joel F, Joel M | <a href="http://www.w3schools.com/js/default.asp">www.w3schools.com/js/default.asp</a>                    |
| TypeScript | JavaScript with static typing   | Arun, Dylan                         | <a href="http://www.typescriptlang.org">www.typescriptlang.org</a>  |
| React      | Front-end JavaScript framework that enables state management and promotes reusability | Arun, Dylan, Jayden, Joel F, Joel M | <a href="https://reactjs.org/docs/getting-started.html">reactjs.org/docs/getting-started.html</a>         |
| MySQL      | Relational Database Management System   | Lilian                              | <a href="http://www.w3schools.com/sql/default.asp">www.w3schools.com/sql/default.asp</a>                  |
| Django     | Back-end Python web framework   | Arun, Dylan, Jayden, Joel M         | <a href="http://www.djangoproject.com">www.djangoproject.com</a>  |
| Jest       | JavaScript testing framework  | Arun, Dylan, Jayden                 | <a href="https://jestjs.io/docs/getting-started">jestjs.io/docs/getting-started</a>                       |
| Git/GitHub | Version control of software   | Everyone                            | <a href="https://guides.github.com/activities/hello-world/">guides.github.com/activities/hello-world/</a> |
| LaTeX      | High quality document creation  | Joel M                              | <a href="http://www.latex-project.org">www.latex-project.org</a>  |

## Resources

| Name                              | Description  | Team Members Responsible | Relevant Links  |
|-----------------------------------|--|--------------------------|---|
| GitHub Account                    | Necessary to commit changes and create pull requests | Everyone                 | <a href="https://www.github.com">www.github.com</a>   |
| Suitable IDE (Visual Studio Code) | To write code and easily run tests                   | Everyone                 | <a href="https://code.visualstudio.com">code.visualstudio.com</a>   |
| Python Extension                  | Enables Python IntelliSense in Visual Studio Code    | Everyone                 | <a href="https://marketplace.visualstudio.com/items?itemName=ms-python.python">marketplace.visualstudio.com/items?itemName=ms-python.python</a> |
| NodeJS                            | Backend execution environment for JavaScript         | Everyone                 | <a href="https://nodejs.org/en/download">nodejs.org/en/download</a>   |
| Yarn                              | Package/dependency manager                           | Everyone                 | <a href="https://classic.yarnpkg.com/en/docs/install">classic.yarnpkg.com/en/docs/install</a>   |
| Heroku                            | Deployment service                                   | Arun, Dylan              | <a href="https://www.heroku.com">www.heroku.com</a>   |
| ClearDB                           | Heroku add-on for MySQL database support             | Arun, Dylan              | <a href="https://elements.heroku.com/addons/cleardb">elements.heroku.com/addons/cleardb</a>   |