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| Project Charter | |
| Project title | Simply ReUse |
| Project 2 Team 3 | Brian Spiewak, Lucianne Vazquez, Peyton Schlafley |
| Date | 11/10/2020 |
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| Description  (Problem/Opportunity) | For class, we need to:   1. Deployed to Heroku 2. Use Node.js and Express.js to create a RESTful API 3. Use MySQL and the Sequelize ORM for the database 4. Have both GET and POST routes for retrieving and adding new data 5. Utilize at least one new library, package, or technology that we haven’t discussed 6. Have a polished UI 7. Be responsive ​​​ 8. Be interactive (i.e., accept and respond to user input). 9. Must have a folder structure that meets the MVC paradigm 10. Must include authentication (cookies and express-session) 11. Must protect API keys and sensitive information with environment variables 12. Have a clean repository that meets quality coding standards (file structure, naming conventions, follows best practices for class/id naming conventions, indentation, quality comments, etc.). 13. Have a quality README (with unique name, description, technologies used, screenshot, and link to deployed application).   We have a team of 3 students who are learning to code (we are beginning to understand the basics and pretty much have no idea what we are doing yet) and this is an opportunity to really learn what we have been reading and practicing in the last 14 weeks. |
| Project Goal | The end goal of this project is really for students built a functional application so that they get a better understanding of what they are studying, but our goal is to create a blog like application that allows community members to connect about recycling, view and discuss news, and find recycling centers.  The educational goal of this project is to get students familiar with working in a collaborative coding environment comparative to a co-located development team. The functional goal of this project is to make an application that helps people connect and create community to reduce waste and recycle. |
| Project Scope | To build a site that allows the user to post, edit and delete blogs, have a profile, see current Climate and Environment News, search for recycling locations. |
| Objective(s) | 1. Create a functional application with a polished UI 2. Help find recycling center locations 3. Connect users through blogs 4. Provides Climate and Environment News |
| Project Approach | Agile Methodology |
| RACI  (Responsible, Accountable, Consulted, Informed) | |  |  |  |  | | --- | --- | --- | --- | | RACI Metrix | | | | |  | Peyton | Brian | Lucianne | | GitHub | R | A | A | | API | C/R? | R | C | | Heroku | R | C | C | | Feature 1 | C | R | C | | Feature 2 | C | C | R | | Feature 3 | R | C | C | | Proofreader | A | R | A | |
| Expected Output/ Outcome | User stories created and assigned (Rough draft at least) –   * User stories created and assigned (Rough draft at least) – * Users can view other blogs. * Users can create a profile to create/post, edit and delete their own blogs, and reply to other blogs. * When I click on news, then I can view Climate and Environment News * When I click on the location search, then nearest recycling center location will populate. |
| Proposed Activities | Repository configured  APIs identified:   * <https://recyclenation.com/recycling-api/> * <https://developer.nytimes.com/apis> |
| Constraints | * Students have a basic understanding on how to code, but are not proficient coders yet * Application needs to be mostly complete in 10 days and team needs to work around other work, school, family and other responsibilities. * We might need to change project multiple times or develop new ideas to meet class/ project requirements   + Use the Agile Methodology to fail fast and revise on multiple iterations to create an MVP (minimum viable product) |
| Assumptions | * Complete application should be released in time * Additional code can be added to application * We will likely jump off a bridge before the project is completed |
| Deliverables | An interactive application that provides recycling locations, news and blogs. |
| Key Success Metrics | All criteria set by the professor/defined in the project scope are met  The application functions with 0 Errors  The user interface is liked by at least 2 classmates outside the team  -------------------------- How many people have downloaded our app? (set initial est. goal)  How many daily blogs? (est. goal)  How many people view the news daily?  How many people use the location search on a daily basis?  How many people will continue to use the app after x days/hours? |
| Project Duration | 2 weeks |
| Milestones | |  |  |  | | --- | --- | --- | | **Milestone Description** | **Target Date** | **Responsible Team Member** | | Develop Project Scope / Charter | 11/10/2020 | All | | ***Draft*** - GitHub Repo Created, Create pseudo code | 11/10/2020 | All | | Complete **Feature 1** – Location Finders | 11/12/2020 | Brian | | Complete **Feature 2** – Blogs | 11/13/2020 | Lucianne | | Complete **Feature 3** – News | 11/15/2020 | Peyton | | ***Test***- HTML, CSS, handlebars, Develop branch, New packet, Heroku | 11/16/2020 | All | | Create Presentation & Practice Presenting | 11/17/2020 | All | | **\* Presentation** | 11/19/2020 | All | |
| Resources Needed | Computer and good internet  Students  Tutors  Visual Studio  Google |
| Estimated Budget | |  |  |  | | --- | --- | --- | | Estimated Budget | | | | Description | Qty | Cost | | Anxiety % | 10,000 | Your soul | | Loss of hair | 100,000,000,000 strands | A wig | | Loss of Sleep (value in days) | 10 | Your sanity | | Stress % | 20,000 | A box of wine | | Tears | 100,000 | 1 pint of Ben & Jerrys | | Estimated Total | $$ Priceless | | |
| Wireframe or sketch of the design (Rough draft at least) |  |
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