

Project Proposal

Christmas Gift Exchange

Introduction

Light and simple web application to match people with their secret santa.

Scope

The application will have the following functionality, a user will enter all candidates' names and email and click send. All entered candidates will receive an email with another candidate's name to buy a gift for. Simple rules take effect such as no candidates can have themselves as a secret santa.

Technologies

Front End

The front end will be built using the latest version of React.

Back End

The backend will be built using the latest version of expressJS with javascript. All services will be dockerized. The application will be hosted on my AWS account using an Elastic Beanstalk and added to a domain that I currently own or one that I buy specific for this project. Many relevant domains are available.

Timeframe

The project must be completed before mid November in order to run the program for the Stone family and possibly Victoria's family.

Key Stakeholders

Client	Stone Family & Victoria Family
Developers	Gabriel Stone
Project manager	Gabriel Stone

Project Repository

The project and code will be stored on GitHub as a monorepo meaning both the server and client will be part of the same repository and will be open source.

Requirements

Functional Requirements (Core)

1. A user must be able to add a name and email address for a recipient
2. A minimum of three recipients must be entered before the gift exchange email can be sent
3. A user can click to add more recipients
4. When at least three recipients are entered, the send email button will be available to click.
5. When the send button is clicked, an email will be sent to each recipient containing the name of another recipient (cannot be themselves) they have to buy a gift for.

Minimum Viable Product

The MPV for this project is fairly simple. Each recipient will have two fields to be entered, a name and email. A minimum of three recipients must be entered before the email can be sent out. When three recipients are sent, an email is sent out to the recipients with the name of another recipient in which they have to buy a gift for. A recipient cannot have themselves. Many other ideas and features can be added to the project but this is the minimum for the application to work.