

# Project: Crowdfunding

## Project Description

Kickstarter, Go Fund Me, Kiva, Change.org, Patreon... All of these different websites have something in common: they provide a platform for people to fund projects that they believe in, but they all have a slightly different approach. You are going to create your own crowdfunding website, and put your own spin on it!

## Project Requirements

Your crowdfunding project must:

- Be separated into two distinct projects: an API built using the Django Rest Framework and a website built using React.
- Have a cool name, bonus points<sup>1</sup> if it includes a pun and/or missing vowels. See <https://namelix.com/> for inspiration.
- Have a clear target audience.
- Have user accounts. A user should have at least the following attributes:
  - Username
  - Email address
  - Password
- Ability to create a “project” to be crowdfunded which will include at least the following attributes:
  - Title
  - Owner (a user)
  - Description
  - Image
  - Target amount to fundraise
  - Whether it is currently open to accepting new supporters or not
  - When the project was created
- Ability to “pledge” to a project. A pledge should include at least the following attributes:
  - An amount
  - The project the pledge is for
  - The supporter/user (i.e. who created the pledge)
  - Whether the pledge is anonymous or not
  - A comment to go along with the pledge
- Implement suitable update/delete functionality, e.g. should a project owner be allowed to update a project description?
- Implement suitable permissions, e.g. who is allowed to delete a pledge?
- Return the relevant status codes for both successful and unsuccessful requests to the API.
- Handle failed requests gracefully (e.g. you should have a custom 404 page rather than the default error page).
- Use Token Authentication.
- Implement responsive design.

## Additional Notes

No additional libraries or frameworks, other than what we use in class, are allowed unless approved by the Lead Mentor.

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<sup>1</sup> Bonus points are meaningless.

Note that while this is a crowdfunding website, actual money transactions are out of scope for this project.

## **MVP Plan Submission**

Please submit the following:

- The title of your website.
- A paragraph detailing the purpose and target audience for your website.
- The features your MVP will include.
- At least 3 additional features you would like to include if you reach your MVP.
- An API specification.
- A database schema.
- Wireframes.
- Colour Scheme.
- Heading and body font(s).

## **Part A Submission**

Please submit the following:

- A link to the GitHub repository containing the code for your project.
- A link to the deployed project.
- A screenshot of Insomnia, demonstrating a successful GET method for any endpoint.
- A screenshot of Insomnia, demonstrating a successful POST method for any endpoint.
- A screenshot of Insomnia, demonstrating a token being returned.
- Step by step instructions for how to register a new user and create a new project (i.e. endpoints and body data).
- Your refined API specification and Database Schema.

## **Part B Submission**

Please submit the following:

- A link to the GitHub repository containing the code for your project.
- A link to the deployed project.
- A screenshot of the home page.
- A screenshot of the project creation form.
- A screenshot of a project with pledges.
- A screenshot of the resulting page when an unauthorized user attempts to edit a project.