

# Crowdsourced Funding Project

## Introduction:

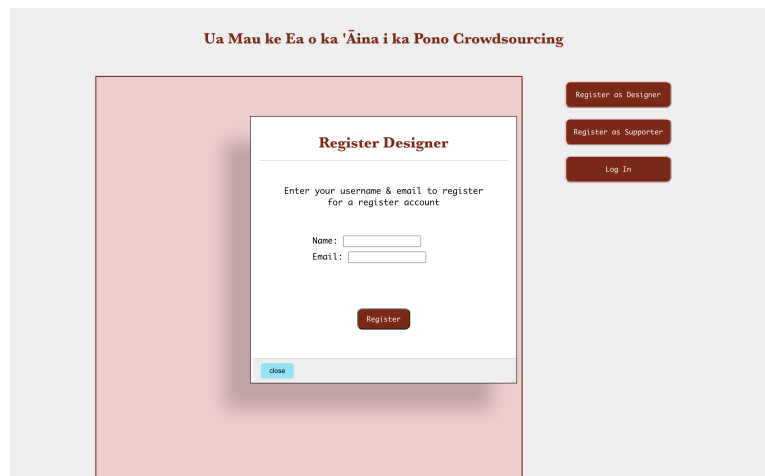
Crowdsourcing platform allows entrepreneurs to raise funds for any project, which is very similar to kickstarter.

## Users categories:

1. **Supporter:** Can support a pledge or contribute a fixed amount of support for a project.
2. **Designer:** Create project and identify the number of pledge with reward an investor can select.
3. **Admin:** Present summary dashboard of all projects, with # projects, \$ funded and pledges reached. Return all the funds back to supporter for any failed project.

## Features:

1. **Register users:**



The screenshot shows a web application interface for a crowdsourcing platform. At the top, there is a header in Hawaiian: "Ua Mau ke Ea o ka 'Āina i ka Pono Crowdsourcing". Below the header, there is a central modal window titled "Register Designer". Inside this modal, it says "Enter your username & email to register for a register account". There are two input fields: "Name:" and "Email:". Below these fields is a "Register" button. At the bottom left of the modal is a "close" button. To the right of the modal, there are three buttons: "Register as Designer", "Register as Supporter", and "Log In".

Users can register as a designer or supporter by typing a preferred name and the email address.

## 2. Create Project:

The screenshot shows a web application titled "Ua Mau ke Ea o ka 'Āina i ka Pono Crowdsourcing". A modal window titled "Create Project" is open, displaying a form with the following fields: "Project Name" (sample project), "Story" (gotcha), "Designer Name" (Vu Le), "Genre" (Game), "Goal" (1000), and "Deadline YYYY-MM-DD" (2022-12-28). A "Create" button is at the bottom of the form, and a "close" button is at the bottom left. To the right of the modal, there are three buttons: "Welcome Back! Vu Le", "Create Project", and "List Project".

Once logged in as a designer, a designer can create a project by entering project name, project story, project genre, and set the project goal and deadlines.

## 3. Create Pledge:

The screenshot shows the same web application. A modal window titled "Create Pledge" is open, displaying a form with the following fields: "Amount" (\$1000), "Description" (sample pledges), and "Maximum # of Support" (Leave blank if unlimited). A "Create" button is at the bottom of the form, and a "close" button is at the bottom left. In the background, a sidebar displays project details: "Name: sample project", "Type: Game", "Story: gotcha", "Designer username: Vu Le", "Current/Goal Amount:", "Number of Supporter: 0", "Deadline: 2022-12-28", "Launch Status: Not yet launch", and "Pledge: (Refresh to reflect changes)". At the bottom of the sidebar are buttons for "Refresh", "Launch", "Delete", and "Back". To the right of the modal, there are three buttons: "Welcome Back! Vu Le", "Create Project", and "List Project".

A designer can create a pledge that is associated with his/her project by setting the amount, description, and the maximum number of support.

## 4. Launch project:

Once a designer launch the project, the project will be visible for supporter and supporter will be able to claim pledge and make donation for the project.

## 5. Add funds:

The screenshot shows a web interface for 'Ua Mau ke Ea o ka 'Āina i ka Pono Crowdsourcing'. A modal window titled 'Add Fund' is open, displaying the following information: Account Name: George, Account Email: georgeh@wpi.e, and Amount: 1000. There is an 'Add' button at the bottom of the modal and a 'close' button at the bottom left. To the right of the modal, there are search bars for 'Search by Genre..' and 'Search by Description..', a 'Welcome Back! George' message, a 'Budget: 0' display, and buttons for 'Add Fund' and 'Account Activity'.

Once registered and logged in as a supporter, a supporter can add fund to his/her account.

## 6. Search Project:

The screenshot shows a search interface with two search bars. The top bar is labeled 'Search by Genre..' and the bottom bar is labeled 'Search by Description..'. Both bars have a magnifying glass icon to their right.

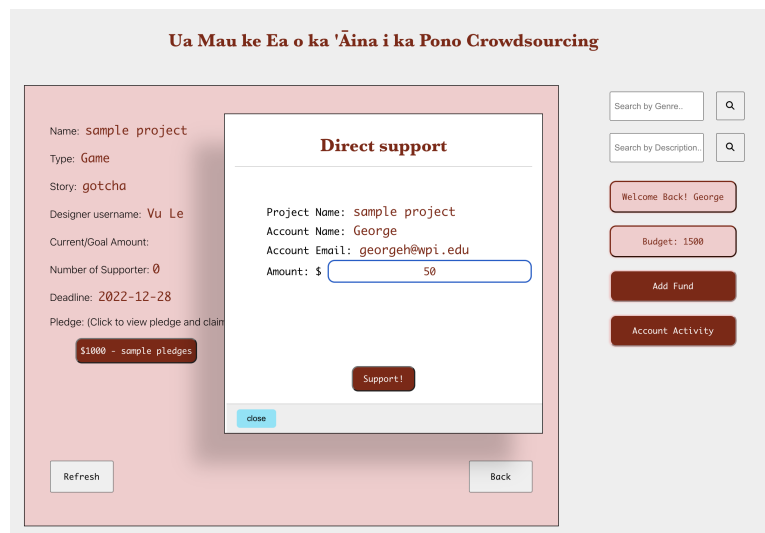
A supporter can search for the project by entering the project description's key word or the project's genre.

## 7. Claim Pledge:



A supporter can claim pledge for a project. Once a supporter has claimed a pledge, a supporter's fund will be deducted by the pledge's amount.

## 8. Give Direct Support:



A supporter can also make a direct support for the project.

## 9. Delete Project:

An admin has the permission to delete the project.

## 10. Reap Project:

**Ua Mau ke Ea o ka 'Āina i ka Pono Crowdsourcing**

Project Name: p1 Story: gotcha FAILED	Delete	Welcome Back! admin List Project Reap Project
Project Name: p2 Story: awesome FAILED	Delete	
Project Name: p3 Story: awesome FAILED	Delete	
Project Name: sample project Story: gotcha GOAL ACHIEVED	Delete	
Project Name: test Story: test FAILED	Delete	

Admin's account has the permission to reap projects.

Reaping project will show which project has succeeded and which project has failed.

Succeeded project: No more pledges or direct supports will be accepted, and the project will remain visible in supporter's searches.

Failed project: All pledges and direct support are returned to the supporter's account, and project should no longer appear in supporter's account.

## Implementation:

	Framework	Cloud services	Databases
<b>Front-end</b>	React	AWS S3, API Gateway	
<b>Back-end</b>	Node JS	AWS Lambda, API Gateway, RDS	mySQL