The function of the website

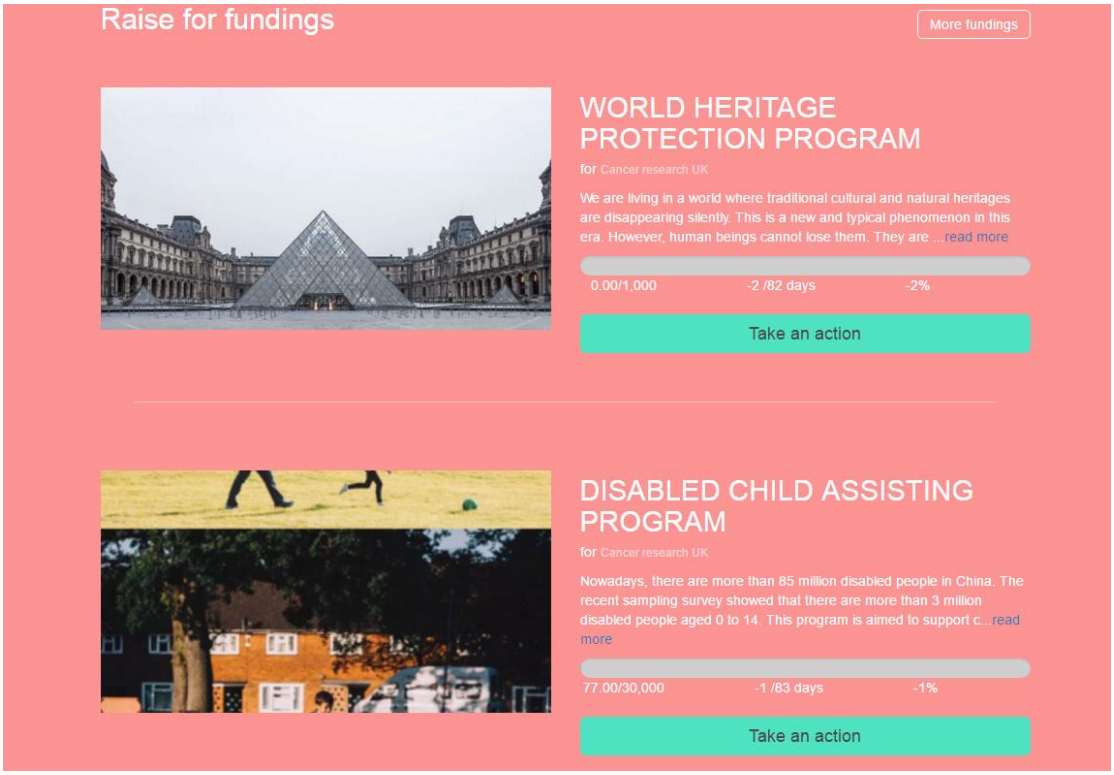
Dollenge is a public donation platform to raise money from where everybody can register and become a hero. You can make direct donation or you can 'make a challenge' in order to collect certain amount of money. All the money we gather will go to the cooperative charity institution.

How to use the website

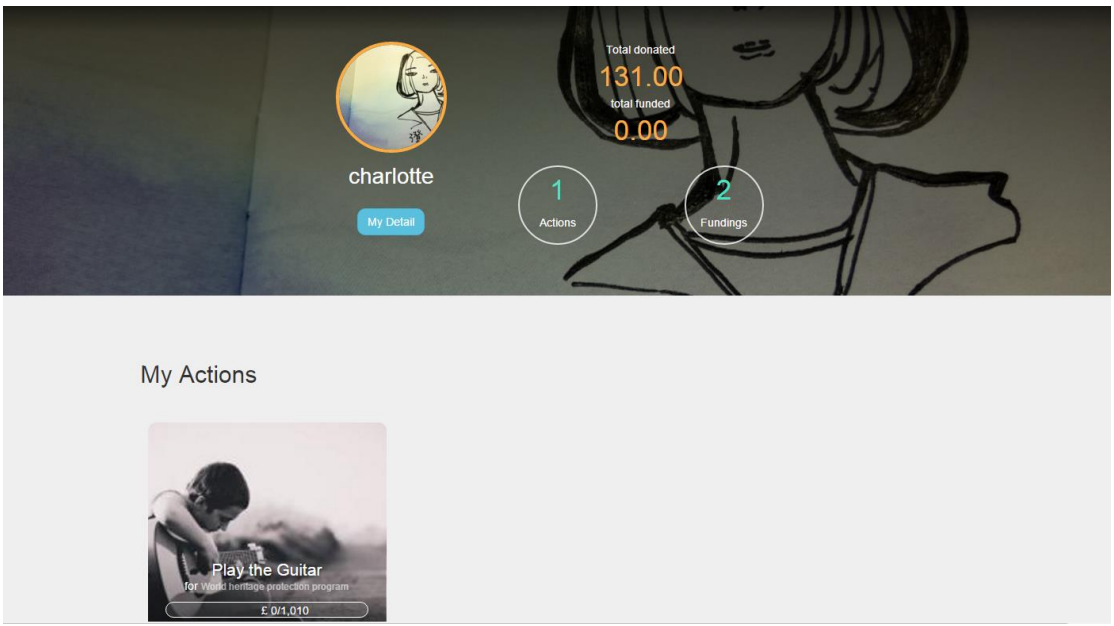
The website provides a navigation bar for users to reach funding and actions page quickly. In addition, there is a Search input with a suggestion system, in order to allow users to search a particular funding or action with keywords. The login and Register buttons provided users a simple way to get more involved.

In the home page, the statistic of registered heroes, the number of actions they took, and the total amount raised are collected and listed. Also, the shortcut buttons encourage people to make a difference immediately.

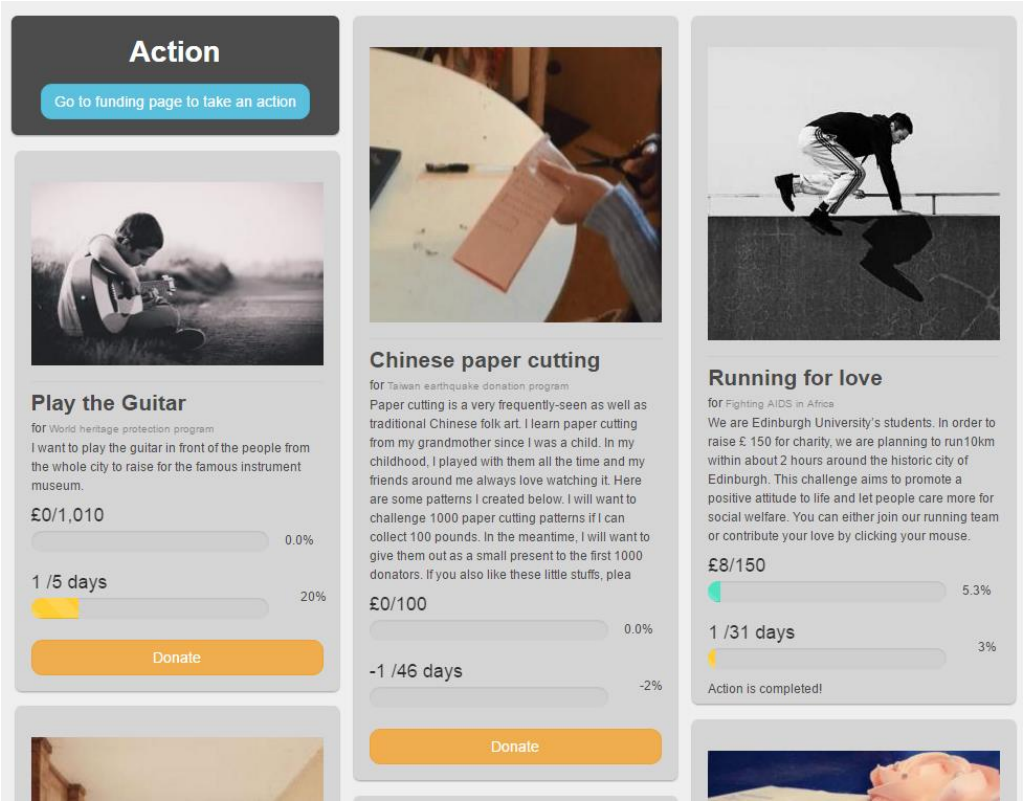
Moreover, users can view the latest 3 actions and 2 fundings in the homepage. They are able to view more by clicking the button on the top right.



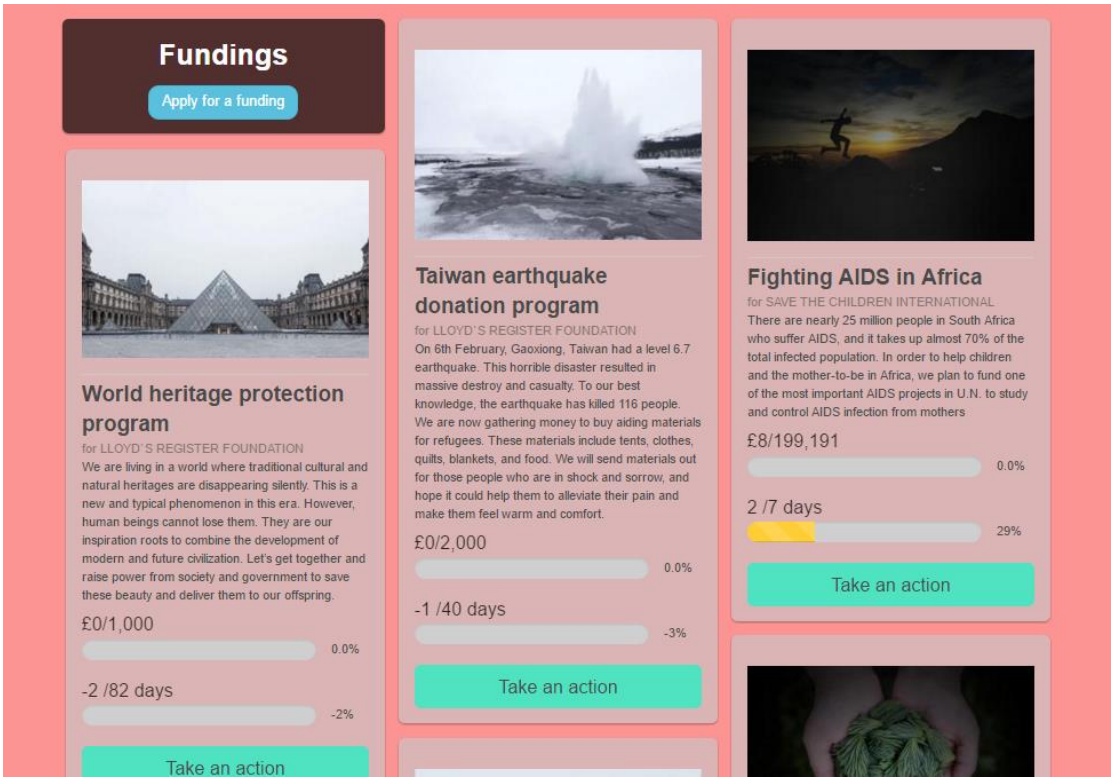
Heroes can go to My Profile page to check or edit their own personal information through the 'My Detail' button. The basic information, such as the money that has been raised or donated, actions that has been taken, etc., is displayed.



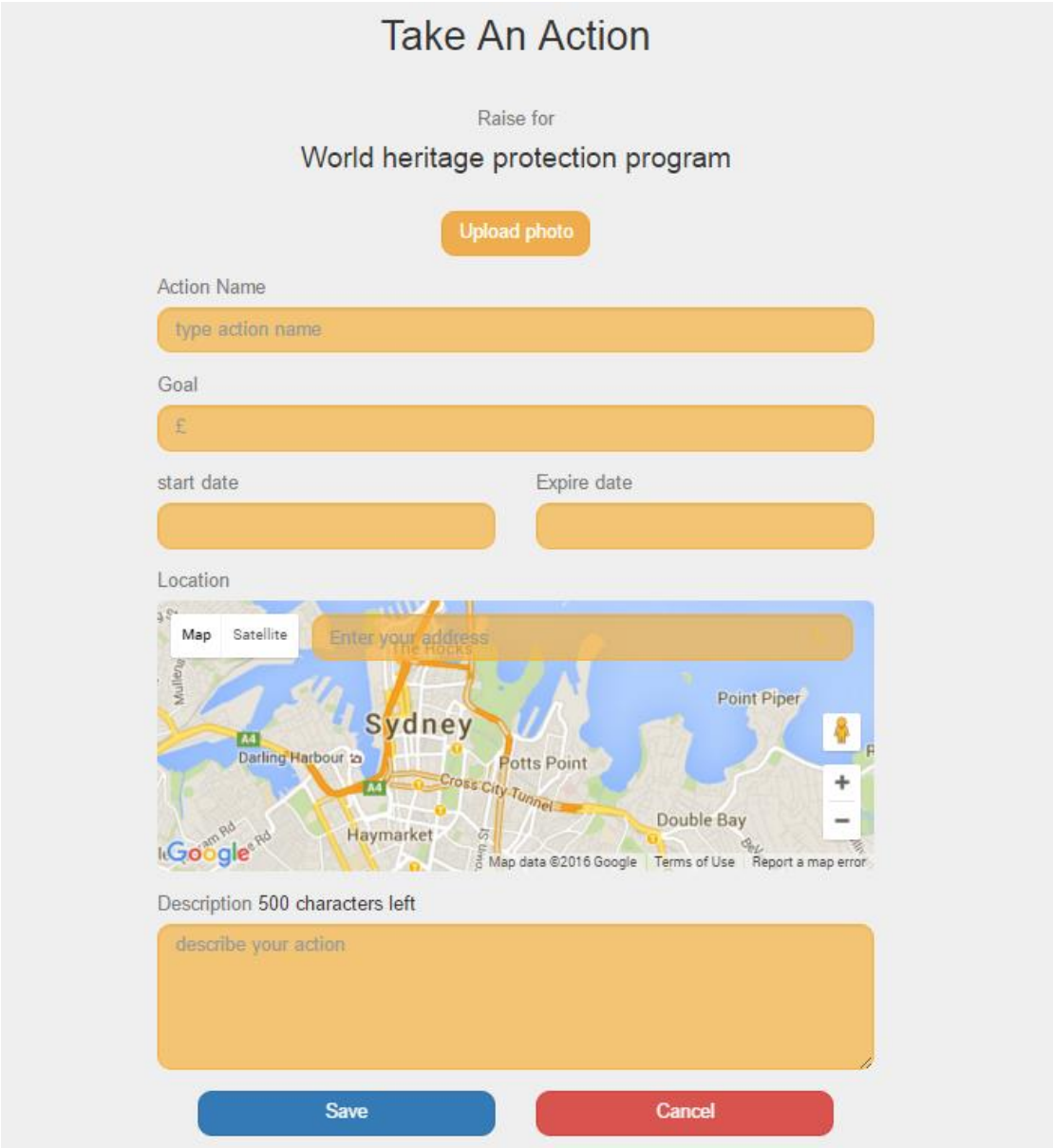
On one of our subpages – actions. Everyone can donate to those interesting actions no matter it is signed in or not. However heroes cannot create a new action until they register as a member of the website due to the security consideration. Following that, the proposed action will be viewed by administrator after posting. The post will be deleted once there is any negative information.



A person can donate without registering to Dollenge

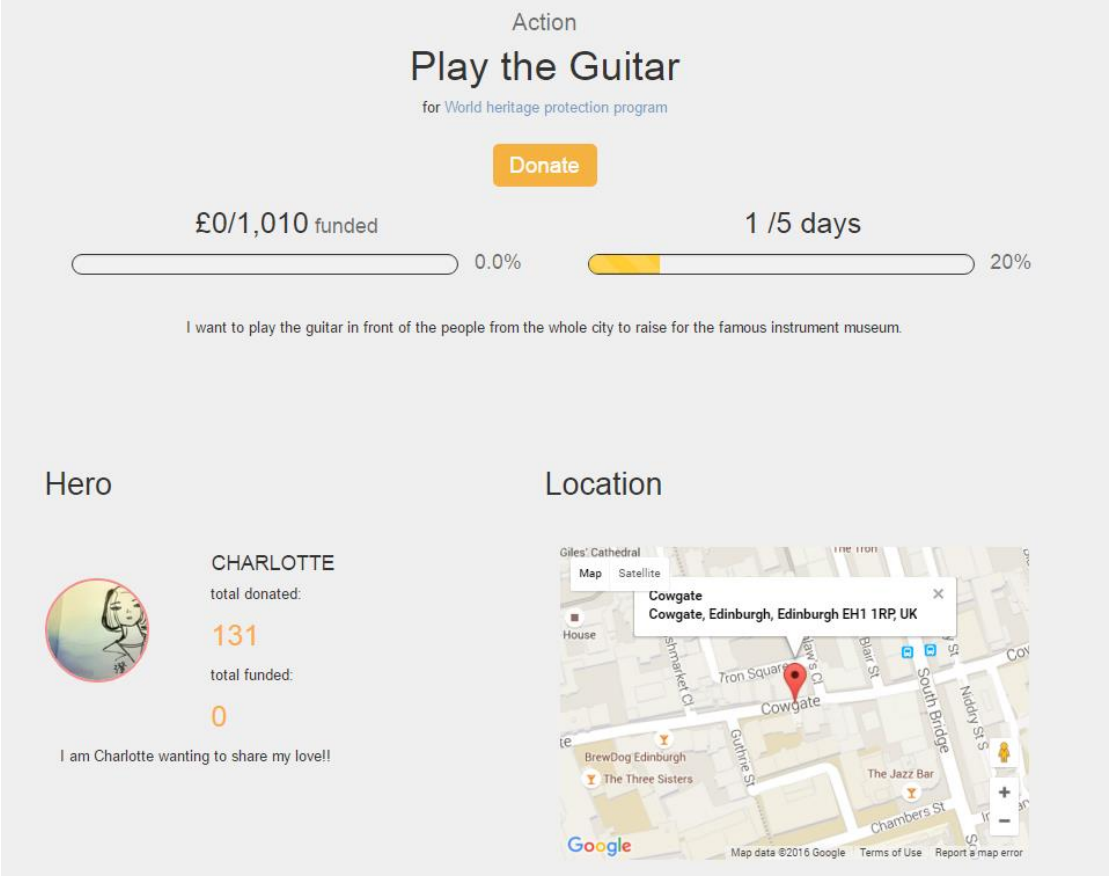


If the user has not logged in, he or she will be asked to login before applying for a funding or taking an action.

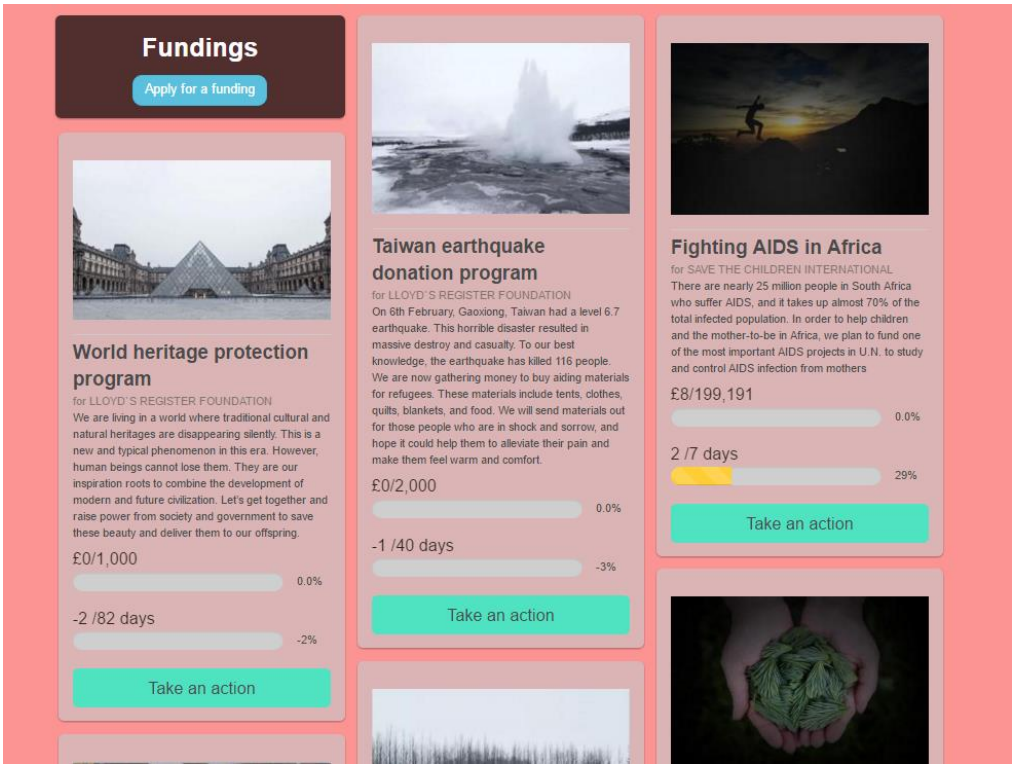


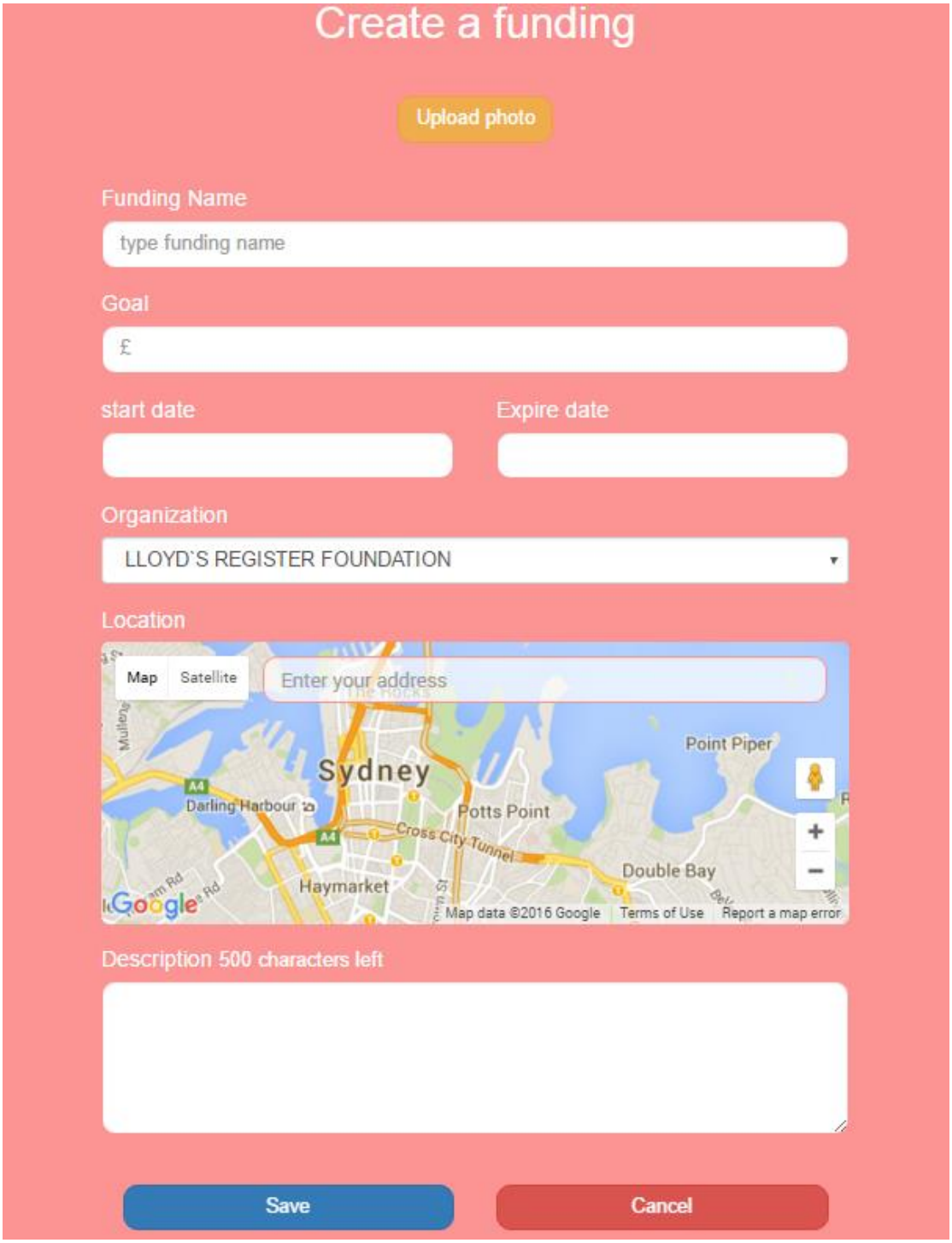
The application form allows users to upload the photo for their action or funding. If there is no picture uploaded, the system will use a default picture for it. Apart from that, Dollenge provides google map to let users choose their own locations.

If an action reached the donation goal, which means a certain amount of money are collected within a period set by the hero, the hero needs to post a video to claim that the action is taken. After the video is prepared and uploaded to YouTube, the hero can go to the profile page to click ‘Mission complete’ button to embed the video from YouTube to the action page. Video will be posted on the page so that every person can see. Only after the action is taken and the evidence is posted, the mission is fully completed and the money raised will be donated to the funding.

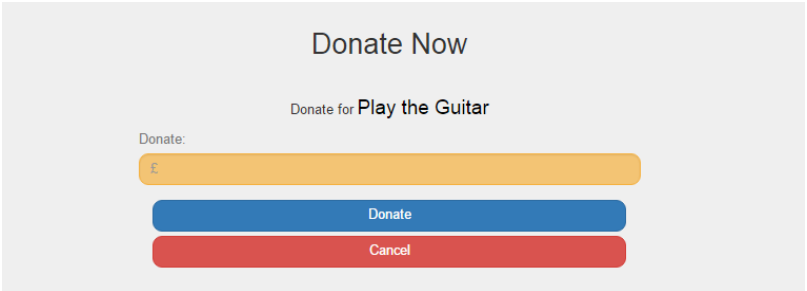


The subpages of the funding programs can be applied by individuals as well. The administrator verifies the appliers' details strictly in case there is any spam. The total money in the funding will be donated to the organisation that it stands for after it is expired.

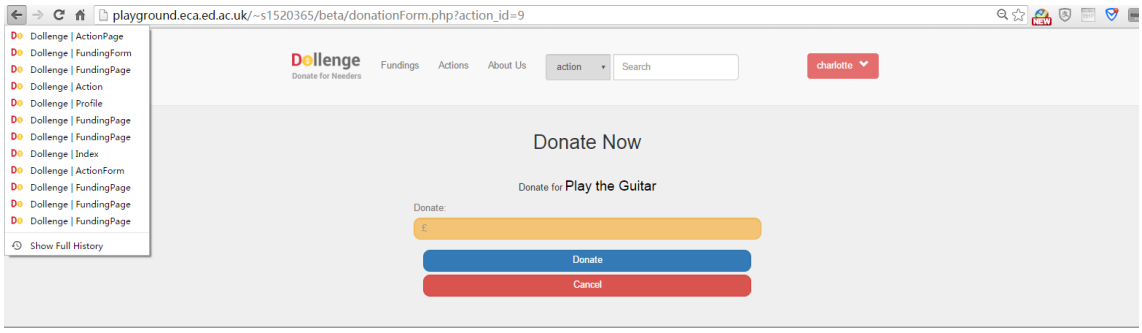


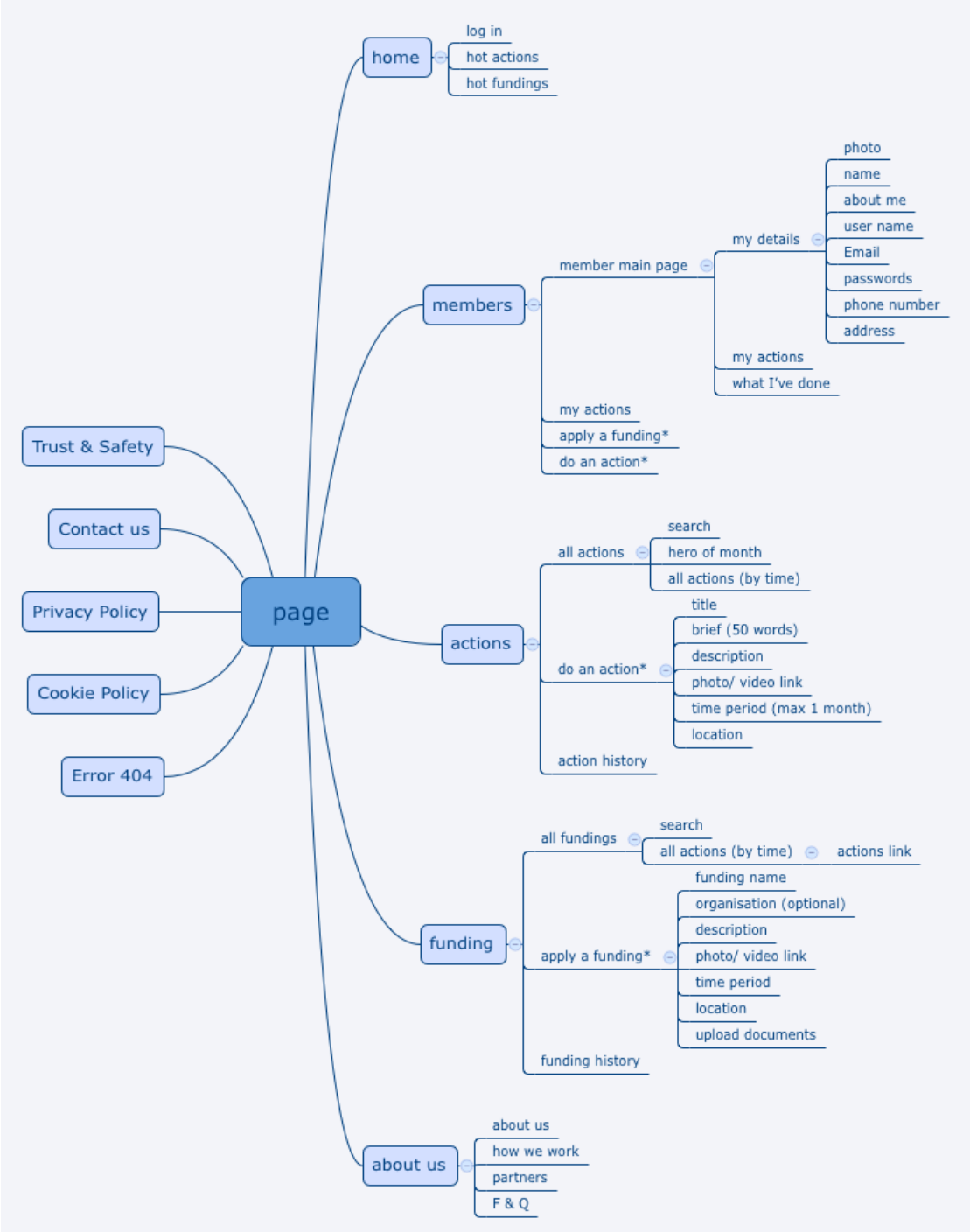


Everyone can donate to the actions. If a person only wants to donate, then there is no need to sign in to the system.



Last but not least, people are able to locate themselves by checking the title of current page.

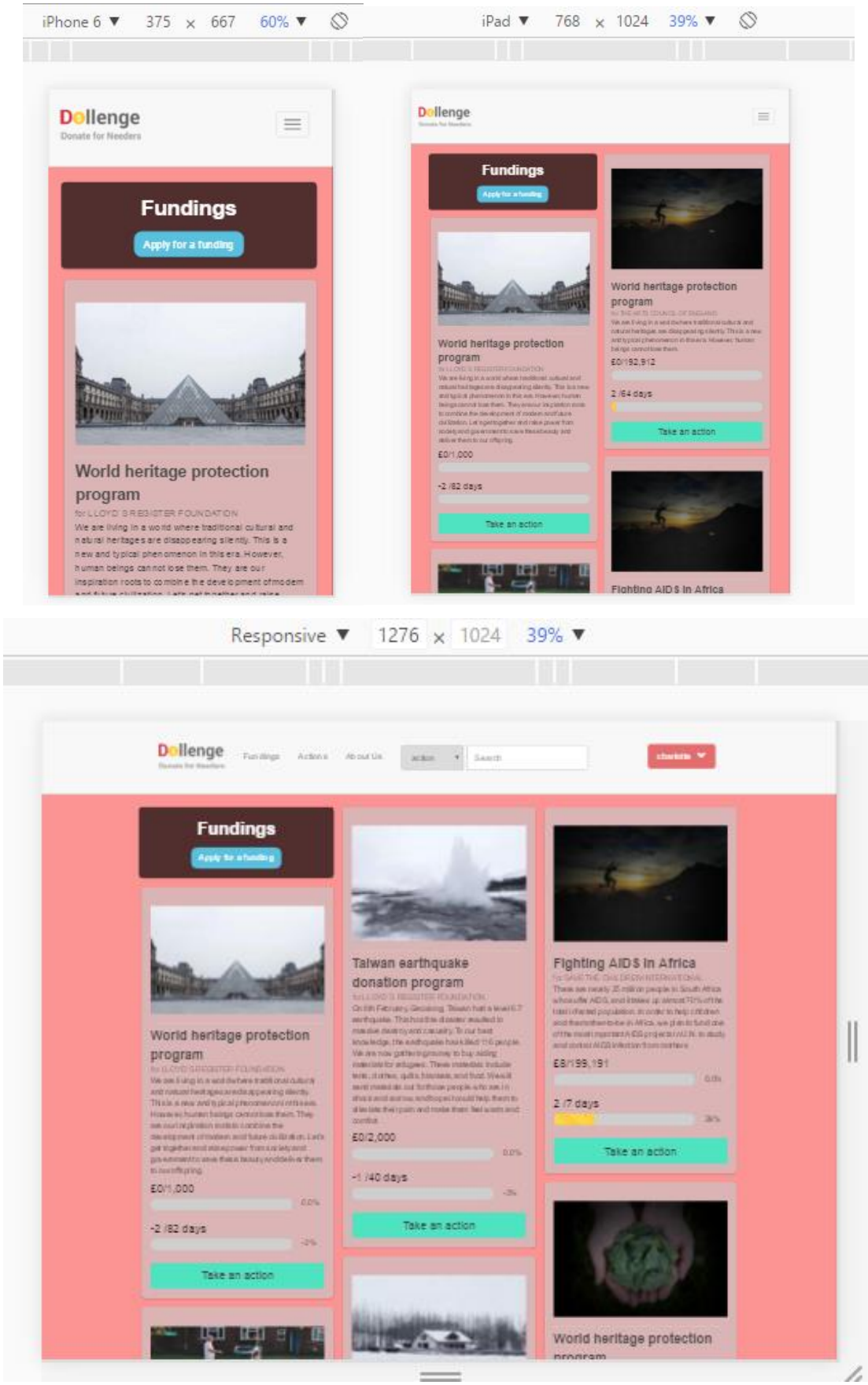




Methodology and execution

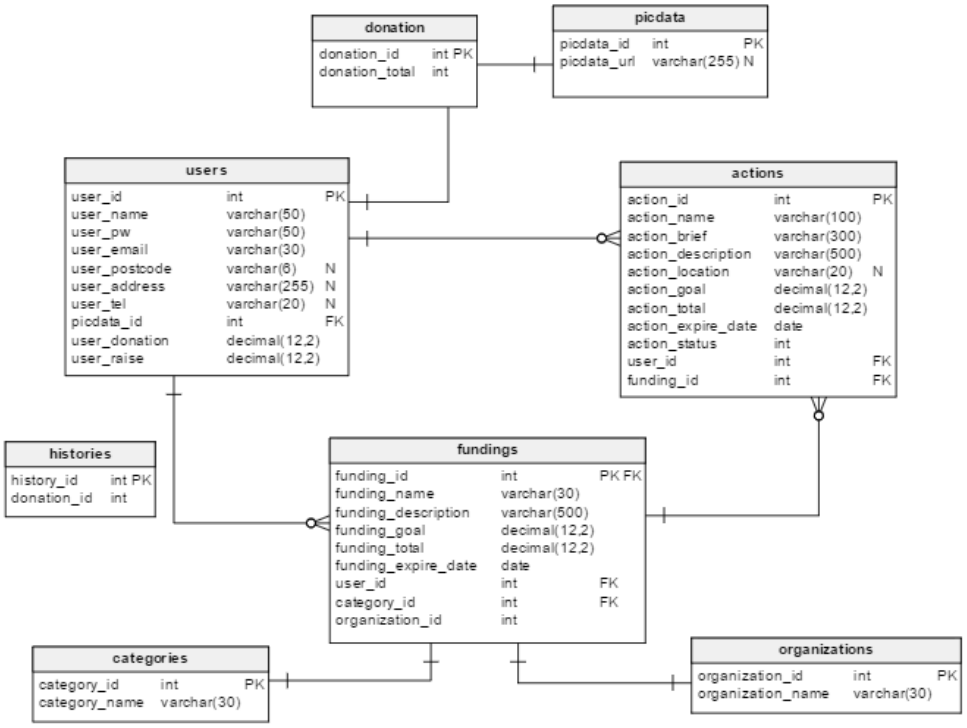
The website is designed with a deep consideration of user experience. Considering the user operate behaviours, we tried to make it easy and clear. At the same time, we left plenty of spare room for heroes to edit their own program and subpages, which helps to increase their motivation and strengthen their faith in participation.

We regarded responsive design as one of the most significant factor while design and develop since mobile devices become more and more accessible to individuals.



From an informational perspective, our website is easy to understand and surf. The beautiful interface attracts users' attention. In addition, we also attach captions as well as carousel

banner on the home page with the statistics of the current achievement. These information and designs help to deliver a positive feeling and motivate more people to donate and help the weak and sick. Also, the entire style of our website is modern, clear and neat. We use light colours as our main tone, and utilize non-complicated settings to make it clear and tidy. Technically speaking, the front-end is developed with bootstrap, AJAX and JQuery to implement the pages in a responsive way. AJAX and JQuery offers quick feedback to users while they are registering or searching. JQuery provides more animation effects to make the website look vivid and dynamic. The database is based on MySQLi and PHP which is more secure. The database includes 8 tables so far to store the actions, fundings, donations, and users information.



Group cooperation

Shun-yi Chang is responsible for website interface design and front-end programming (HTML/CSS/JQuery)

Yicheng Zhang is responsible for database design, front-end and database programming (HTML/CSS/JQuery/AJAX/PHP/MySQLi)

Jing Chen is responsible for content design, photo and video collecting.

Reference

http://www.w3school.com.cn/

Lecture notes

http://php.net/manual/en/book.mysqli.php

https://jquery.com/

Google Map API

Google Free pictures

YouTube video embed API