

CraftOneLife

Kalikalyan Dash, Neha Jethani,
Rajvi Modh, Divyank Shukla

Dept. Software Engineering San Jose State University San Jose, USA

***Abstract*—This project aims to create a web application - CraftOneLife to help homeless writers in finding a way of earning money and craft their life in a better way. CraftOneLife makes earning money possible for homeless people by selling their wonderful ideas. These ideas might have been lost in them, if not sold by CraftOneLife.**

INTRODUCTION

CraftOneLife, as the word suggests, is a social enterprise and benefit Non-governmental organizations(NGO) to mould life of people struggling with homelessness.. Every writer earns 55% from the profit of each sale. 1% from each sale goes toward strengthening art services for community partners that support CraftOneLife writers, which includes writing programming at social service agencies, shelters, and disability centers. CraftOneLife uses the remaining 44% to further our mission.

In order to make sustainable change, company need to run a financially sustainable business. By providing a online platform to the people, who can't afford to share their musings unless helped financially, we not only provide them the opportunity to share their stories but to get a payback for that from the readers. There is a difference in our business model and the business model of any e-commerce website. Below the flow of the project will be explained.

HOW THIS WORKS

The way CraftOneLife attracts its user is by connecting to their hearts by sharing the details of the guy who wrote it. The user understands that he is not buying a book by any famous author but by someone who is struggling with his life to break a bread. The users love it that they are not enjoying the writing of a connoisseur. They are enjoying the writing of a novice who did not have any prior knowhow of writing.

Sharing those tiny details of our writer makes our model different than others. CraftOneLife works with individuals who participate in shelter or disability center art programs across the U.S. There are thousands of existing groups in shelters and disability centers. The first point of contact is most often the director who oversees the writers in these programs.

This helps CraftOneLife ensure that they are helping individuals who are committed to improving their situations and finding stable employment and housing. People, who have those wonderful ideas but not financially self-sufficient, can share their stories with CraftOneLife. It can be their life experience or can be fictional that they can share with people around the globe. They share will go through a proper vetting for the originality of it. Then it will be approved by the administrator. The writer will be contacted by our team and the 80% of the total profit will be shared with him/her.

HOW IT AFFECTS THE SOCIETY

CraftOneLife empowers writers living with homelessness or disabilities through the celebration and sale of their work. CraftOneLife is about creating opportunity, empowerment for people who are too weak to help themselves in their current conditions. By providing the online platform, we provide people the chance to showcase their genius. By doing that, we aren't helping them rise, they are rising themselves. Those prolific writers are offered the chance to secure their own income through the sale of original writings, anecdotes, and short stories. It does not actually matter how thoughtful their writings are, some thing is being written by them which is worth reading is really what matters. By showcasing and selling works via CraftOneLife.com, our writers gain self-confidence that permeates all aspects of their lives. This, in itself, is a great giveback to the society.

Writers are paid each month by check, direct deposit, or PayPal. If our writers do not have a mailing address, the payment will be sent to the shelter in whose program they participate. We do not give them back the whole of their earning. We keep 45% of the total profit and for good reason. Being an NGO, we don't have cash inflow. Like many NGOs we tried to maintain cash inflow by raising money through fund raisers. But the cons of adopting that idea surely predominates the pros. By procrastinating us from implementing our ideas because of the want of money, it kept distracting us from our main goal. Because of the aforementioned reason, we decided becoming a profit organization from a non-profit one, so that we can focus ourselves in the development of CraftOneLife. Despite of being profit organization, we spend much of what we earn in making CraftOneLife more craft worthy for our writers coz giving back to the society is what we are all about. We expect more people to create these kind of ventures as we think we can more rapidly change our society in that case.

ARCHITECTURE

Coming to the architecture of our project, we used a 2-tier architecture. The CraftOneLife web application front-end is created in HTML, CSS, JavaScript with React library. The flow of the whole application is being maintained by the react library. The back-end is implemented in JavaScript and Node JS, and the server is hosted using express modules. MySQL is used as database and it is only store useful the information. The data is being taken from a MySQL database and being shown to the user where he can perform data manipulation. The HTML5 and CSS3 helps it attractive and user friendly. Hosting is done in AWS which is a IaaS and responsible for networking in our case.

(I) FRONT END

React library has been used for the front end which controls the data flow through the process. The React library helps organising the data and making a responsive website.

(II) BACK END

Implementation of the backend has been done by Express JS server using NodeJS. It receives all the requests sent by the frontend and returns back the

responses taking form the database and displays in the frontend.

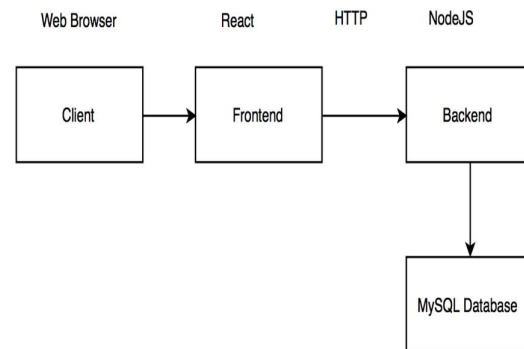


Fig. 3 Architecture Overview

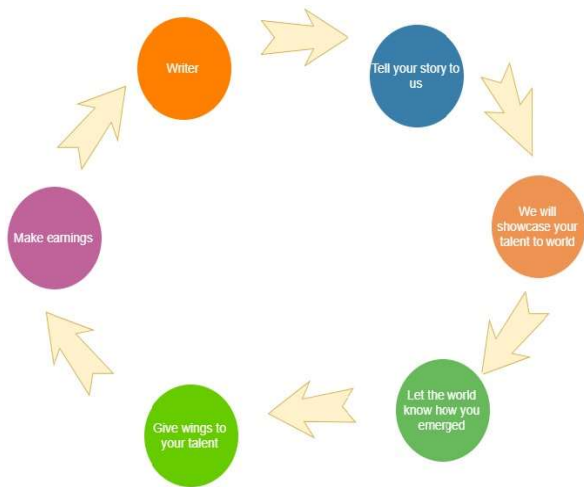
(III) DATABASE

The data is being stored in MySQL database in separate table for each entity. In this relational database data is inserted through express backend server.

(IV) AWS

AWS Elastic Compute Service (EC2) is IaaS, which is responsible for networking, storage, server, and virtualization. For our project, the front-end, back-end and database are all hosted on AWS EC2.

PROJECT FLOW



Below is the flow of the project

- Writer provides his content and some basic contact information
- The team checks the authenticity of the writings for some time and informs the writer

- CraftOneLife puts it on the website for the users to buy
- About his writing being selected by the CraftOneLife to be sold to the public
- The user buys the product if he loves it
- 55% of the profit directly goes to the account of the writer and 45% of the profit remains
- The earning is shown in the writer's account

SUMMARY

Hence, It's just an attempt to affect our society in a positive way economically and helping people become financially self-sufficient. Doing this

REFERENCES

- <https://www.artlifting.com/>