

Tasks accomplished over the past week (Monday 13th to Monday 19th)

This has been a week of backend work on the checkout page. Several issues came up that needed a deeper thought. The first issue was guiding the user to make payments for donations or investing with the Fit Foundation.

To facilitate this, I have designed a user interface for users to select whether they want to invest or donate.

Based on the button a user clicks, a payment process would be initiated that would direct the user to enter the card details.

Successful payments need to be stored in the database. At this step I had to configure a database and write

the logic that will be responsible for updating the database whenever a payment is made.

In essence a case of read and write warrants two sets of logic, one for reading and a second one for writing. All the work done during this stage was not tested as Wix does not provide a sandbox mode for payments processing.

The following functions have been created in frontend and backend:

- **initiatePayment**- This is a frontend function that runs when invest or donate buttons are clicked. It then calls the createPayment method.
- **createPayment**- This is a backend function that starts the process of accepting a payment. The most important piece of data from this method is the payment id which is returned to the frontend.
- **startPayment**- method is built into wix and is called on the frontend to present the dialog that will be used to interact with the user to collect data about the user and the payment method.
- **wixPay-onPaymentUpdate** - The method will be called as an event handler to respond to an event raised whenever the status of a payment that is being processed changes.
- **recordPayment**- a method to add the details about the payment to the database.
- **getUserPayments(email)**: Get all payments made by a user with the email address specified as a parameter.
- Setup backend events for detecting change in payment status. In this regard a test was conducted in two ways. The first is functional testing and it passed the test. The second test was by sending a small payment via credit card and checking if the database was updated with details of the payment. This part showed the payment was successful but wixPay did not fire an event. I consulted sir Wilson and he promised to add more payment methods as he does the configuration in the backend.
- Adjusting the contents of the checkout page inline with new information with sir Wilson. A crucial point to make here is that the donation amount was increased from \$2 to \$5. Other modifications were on the call to action text to contain more details so that prospective site users may understand the importance of their donation or share purchases.
- I also integrated page ids for easier page routing. With this there was also the creation of a new database in wix to keep track of payment for each sessional uuid. The importance of this step was to pass this id to the destination or redirection page and it forms the basis upon which payment validation is determined.

Hours Worked

From Monday 13th until today, I have invested 42 hours into the project.

After our discussion with sir Wilson , it was agreed it would be best to present users with as many payment options as possible. More work will go into adding these payment methods in the coming week. Some of the methods I intend to add are bitcoin and Paypal among others.

No major challenges were reported that affect my performance.