Google Summer Of Code

LEARNING EQUALITY

# Improving Analytics Page & Actogallery

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# Part - 1 Project proposal

## Aim

This report is to highlight the main areas of design that need to be taken into consideration to be as inclusive and accessible as possible for all sorts of people visiting our website, And Improving Analytics Page. And Actogallery is the concept where people post their achievements amicably & make the platform an educational jonar.

## Overview

### Motivation

- The project idea was my self interest.
- User Interface and User Experience approach is the key to focus on.
- I believe adding more annotated features that have an enormous list of dependents could help make the design framework more useful and also a worthy and doable summer project.
- This project could be an overall evaluation of the user experience on real code and can also help detect bugs or suggest improvements to the design being annotated.
- The project would benefit me personally by providing a deep understanding of UI, UX, Debugging, Tracing Javascript, webpack issues, great exposure to the open-source codes and practices.

### About the Annotations

- Since annotations are extra peace of information, providing extra detailing for a particular content will help.
- The main popularity of this annotations in User Interface is, it enhances User Experience and improves reliability.

## Goals

1.  Specifying the language used on our website.

2. Make sure colors make use of eternal CSS for styling and layout and HTML for document structure.

3. Associate table headers with table cells, and use tables only for data. Include a table summary.

4. Provide a skip links option to let a user skip repetitive content.

5. Do not use flash, frames or tables for layout purposes.

6. Design for device independence. Do not require a mouse and don't require Java script to activate links etc.

7. Use simple language and fonts contrast sufficiently.

8. Do not fix a font size on your website. Use % or ems.

9. Use a fluid layout, using percentages or ems for width

10. Now coming to website design, feel and behavior for visually impaired, color blind, hearing-impaired and dyslexic people, the website should follow the below guidelines:

11. For colour, use high contrast and try to keep it monochrome where possible while maintaining the palette chosen for the site to communicate information.

12. Where lines and lettering are present make the lines thick and dark. The letters should be bold where necessary and the font should be large such that anybody can read it from a reasonable distance.

13. Another thing to keep in mind is to design the font in such a manner that the font size can be zoomed without changing the magnification of the webpage.

14. Sans serif has to be used on the website or any other font with clear lettering and space between letters.

15. Design of button elements should take into consideration that people may not click and therefore should be usable via either spacebar or the enter key.

16. Providing a text to speech option either by using Dialog flow or through Read Aloud chrome extension.

17. The words used on the site when related to performing an action should be task related, for example instead of saying click the verb here, is better suited in guiding people around the webpage.

18. Language used should be simple and paragraphs if any, must be brief.

19. Let the forum link be clear with an easy to understand description so people can communicate with us.

## Milestones

I. Suitable Research of UI/UX framework.

II. Designing of Front end with Annotations.

III. Actogallery.

IV. Improving Analytics Page.

V. Database Framework.

VI. User Testing.

VII. Documentation and Project report.

## Progress so far

Till now I have thought of a few concepts that can be enhanced during redesigning. Eurekha is one such concept that can be used as enhancements with detailed annotations and make the frontend design multidimensional.

## Timeline

- June 7, 2021 - June 14, 2021
    - ❏ Suitable Research of UI/UX Framework.
- June 15, 2021 - June 28, 2021
    - ❏ Designing of Frontend with Annotations.
- June 29, 2021 - July 12, 2021
    - ❏ Actogallery
- July 13, 2021 - July 19, 2021
    - ❏ Improving Analytics Page.
- July 20, 2021 - July 26, 2021

❏ Database Framework.
- July 27, 2021 - August 5, 2021
  ❏ User Testing
- August 6, 2021 - August 15, 2021
  ❏ Final Documentation & Report.

# Part - 2 Qualification

## Actogallery

A. PREFACE OF THE PROJECT:

In this project, These two acts as embedded systems:

1. A website using a custom domain.

2. An android app in support to our website.

The specifications/ attributes to be added to our website:

1. Login page i.e sign in and sign up options (with added specifications) to create individual account using email, Phone no, Google, face book and linked in.

2. As per Instagram statergy our system should provide users a public account and private account.

3. We have to be having the accessibility of providing them OTP codes.

4. A new concept of introducing a terminology of Blockchain technology i.e providing users a private key unified number and a public key unified number. Where private key number is for personal identification and a public key number to share with the authorized systems so that only those systems can view your profile.

5. Other personalized Remarks.

Android App and Website designing will be done by suitable programming languages and also with the help of certain platforms.

B. Objectives:

The official stated purpose of ACTOGALLERY is to make the world open and connected with their educational and other activity contents and share and express what matters to them and as well as society.

Our perception of ACTOGALLERY is that much of it is about making new connections. i.e when people send their activity contents, our team will look after all the certified activity remarks and then post those in the website.

This will help the users to keep a check on every single activity they undergo and also our association will protect the activity data.

C. Stated mission:

ACTOGALLERY is designed to be free for its users; it should give the users control over their activity and information.

And company's primary mission and objective is to provide them best services regarding building their profile and stardom.

D. SERVICES:

Adding a Social gallery in our application will make it more entertaining. So our gallery must contain:

1. Certificates and images of all the activities that they are undertaking and undertaken.

2. A detailed Workflow which should describe the activity, certificate contents or something else and also few additional attributes which should motivate the platform in sharing ideas and knowledge.

3. Our Actogallery team will develop the resume in a unique format and help the users to build their profile and will help them check their data in a special way.

4. We will be providing the users certification with the collaborations with reputed companies resource personalities and reputed institutions


**Improving Analytics Page:**
1. Switch up Views. we can change your Google Analytics views to see the same data in different ways.
2. Create a Goal. One of the easiest ways to analyze your site's data is to create a goal in Google Analytics.

3. Create an Event.
4. Set a Custom Alert.
5. Measure Your Site's Speed.
6. Get a Performance Report.

## Preparations for the summer project

1. Case studied UI/UX, Google Analytics & Design Frameworks.
2. Annotation frameworks for the page design.
3. Projects
   - Created a Website named DSC Jnnce & hosted on github using HTML, CSS & Javascript for a developer student clubs powered by Google Developers.
4. Experience with Python
   - School-level programming in Python
   - Object-Oriented Concepts in Python
   - Data Structures & Algorithms using Python.
     - ❏ Python Project on my Intern.
   - Implemented Website as a Project Management Lead using HTML, CSS & Javascript.

## Resume

Click here

## Grade Report

I am an undergraduate student in India enrolled in a four-year course named Bachelor of Engineering in Information Science under Visvesvaraya Technological University. I have received the grade report for four semesters out of eight. The grade reports could be found here.