

Branti

a music streaming platform

A Synopsis Submitted
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for the award of
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1. Introduction

Branti is a music streaming platform that provides creators with a streamlined process of getting their music released while also giving listeners an enjoyable experience.

2. Problem Statement

Build a music platform that is open for artists of all kinds to publish their music while also giving a great listening experience to end-users.

3. Objectives

- Independent artists should be able to publish their music hassle-free.
- showcase the whole application development lifecycle of a full-stack application from planning to production.
- Simple and easy-to-use user interface that is accessible to all.
- Extensible so that it can later be ported to other devices.

4. Innovation and usefulness

Currently, there are many distributed places on the internet where free content creators post their music creations. But, there are still many indie creators that want a nice place to host their content while getting all the appreciation they deserve. **Branti** tries to solve this by providing an easy-to-use platform for creators to host their awesome music.

Our main goal with this project is to create a very easy-to-use and well-documented platform that will be open-sourced so that it can be further enhanced over time by other people. This will also give other programmers in the world a chance to build something similar without starting from scratch or at least have a reference implementation that they can loop up to.

For end-users, our goal is to create a simple and accessible UI that is easy to use. Music on this platform will be free (with attributions) so other content creators will be able to use this platform to discover music that they might want to use in their future projects.

5. Project category

A web application that can later be extended to be available on mobile devices.

6. Tools/Platform

Front-end: HTML, CSS, js (with the [hotwire](#) stack). We might later use a frontend library/framework (Vue/Svelte/React) if we feel the need.

Back-end: Ruby on Rails, Go

7. Plan of work

The designs for **Branti** have already been [created](#). I'll start working on planning the backend infrastructure and implementation once the project is approved. My teammate Rishabh Raj (1912010) will take care of the front end of this project.