

Abstract

Open source is a term that originally referred to open source software (OSS). Open source software is code that is designed to be publicly accessible—anyone can see, modify, and distribute the code as they see fit.. This project describes the contribution to an open-source project. The purpose of this project is to familiarize the open source community with workflows and design strategies for large projects. The project chooses to focus on implementation of new features over existing software and focus on documentation ,design as well as finding and solving bugs .

The purpose of this project is to clarify what is meant by "open source" in order to achieve that goal. We looked at a number of well-known open source technologies to achieve our objective. We also did literature studies on published materials about open source as well as work by other people interested on open source. Additionally, we have made use of a number of online tools for other open-source projects.. We then attempted to further analyse open source by identifying the qualities that open-source projects ought to or typically include. We decided a bunch of qualities that are quite often present and others that shift among open-source undertakings, and this fills in as the center of this work alongside commitment to it.

In this project, we wanted to contribute to an open-source Django-based web application by adding new functionality to an existing system via a GitHub repository.. This project attempted to reinvent an existing web application by solving an error on the student login page and adding new functionality i.e FORGOT PASSWORD, improving the DOCUMENTATION and Addition of missing libraries to the document section adding the information about various other steps required to run the web app on a local computer , while simplifying and redefining the basic structure of web app to make them more comfortable, attractive, and easy to use, while redesigning them to be easier for users to use and interact with.

The actual application of this project is to ease the tedious manual work of teachers, students and administrators. Teachers can simplify their work without worrying about paperwork and get all student details including student attendance, teacher lecture schedule and more in one place for her. Students can review their attendance , marks and lecture timetable , while the admin will manage teachers and students status.