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Release Management Application

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Medical Software

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1. ABSTRACT

Release management is the process responsible for planning, scheduling and controlling the movement of releases to test and live environments. The primary objective of the release management is to make sure that the integrity of the live environment is protected and that the correct components are released. The release management works closely with Change Management to make sure that changes to the IT infrastructure are implemented to keep the functionality and service levels of the services aligned with the ever changing needs of their customers. With numerous changes occurring daily release management is the key component in making sure that applications are successfully deployed without compromising the integrity or availability of the production environment.

2. INTRODUCTION

2.1 Introduction to Django – The python framework:

With Django, you can take Web applications from concept to launch in a matter of hours. Django takes care of much of the hassle of Web development, so you can focus on writing your app without needing to reinvent the wheel. It's free and open source.

Ridiculously fast.

Django was designed to help developers take applications from concept to completion as quickly as possible.

Fully loaded.

Django includes dozens of extras you can use to handle common Web development tasks. Django takes care of user authentication, content administration, site maps, RSS feeds, and many more tasks — right out of the box.

Reassuringly secure.

Django takes security seriously and helps developers avoid many common security mistakes, such as SQL injection, cross-site scripting, cross-site request forgery and clickjacking. Its user authentication system provides a secure way to manage user accounts and passwords.

Exceedingly scalable.

Some of the busiest sites on the planet use Django's ability to quickly and flexibly scale to meet the heaviest traffic demands.

Incredibly versatile.

Companies, organizations and governments have used Django to build all sorts of things — from content management systems to social networks to scientific computing platforms.

3 OBJECTIVE OF THE PROJECT:

1. To develop an application using Django and deploy it.
2. A web application that tracks the builds of that application.
3. Thus to understand the concepts of the release and deployment after an application is build.

4 DESIGN

4.1 Software Requirements:

- 1) Python editor- PyCharm
- 2) Django framework.

4.2 Block Diagram:

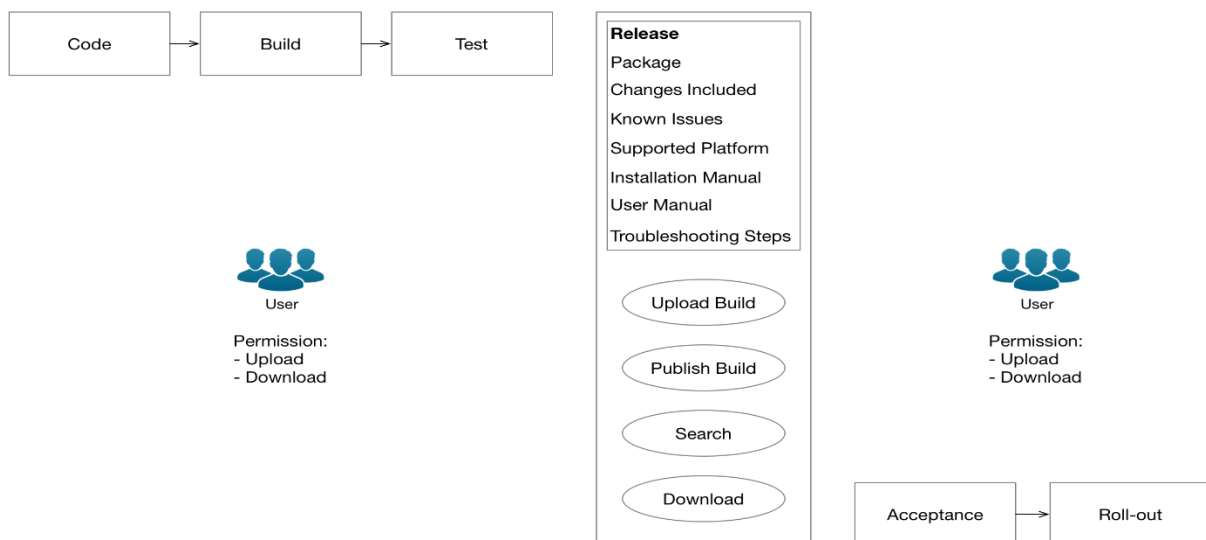


Fig: shows the release management life cycle

5 RESULTS:

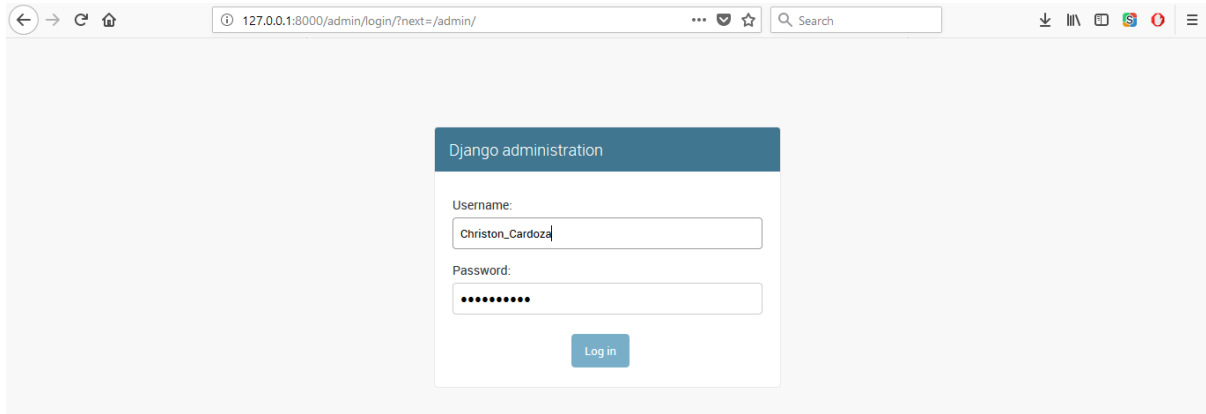


Fig: shows Login page

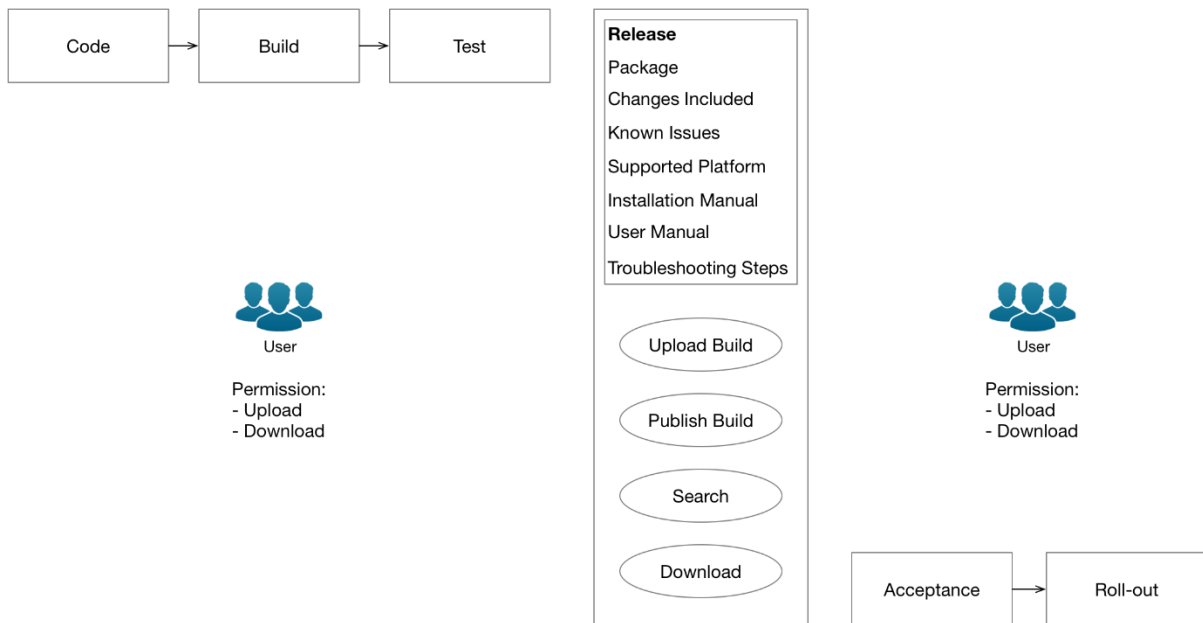


Fig: shows Build Life Cycle

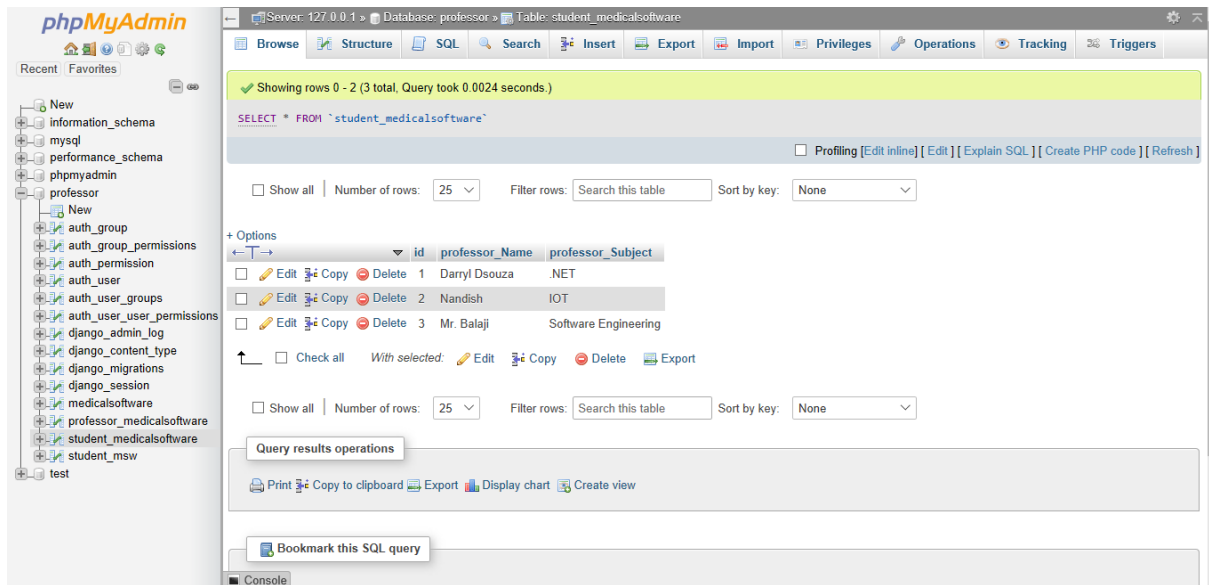


Fig: shows the Database Schema

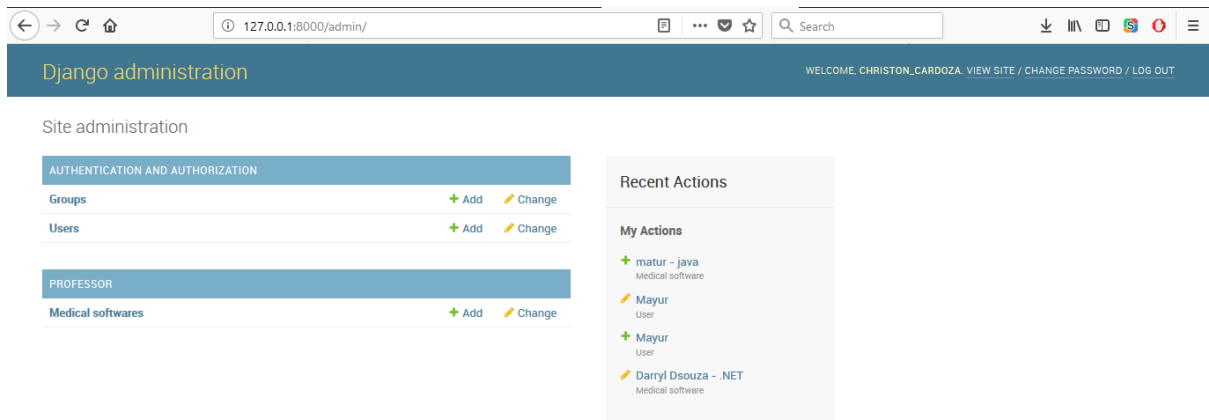


Fig: shows the insight of the application.

```
C:\WINDOWS\system32\cmd.exe - python manage.py runserver

C:\Users\christon\Desktop\Mediff\website>python manage.py runserver
Performing system checks...

System check identified no issues (0 silenced).
March 12, 2018 - 14:34:43
Django version 1.9, using settings 'website.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
```

Fig: Python server

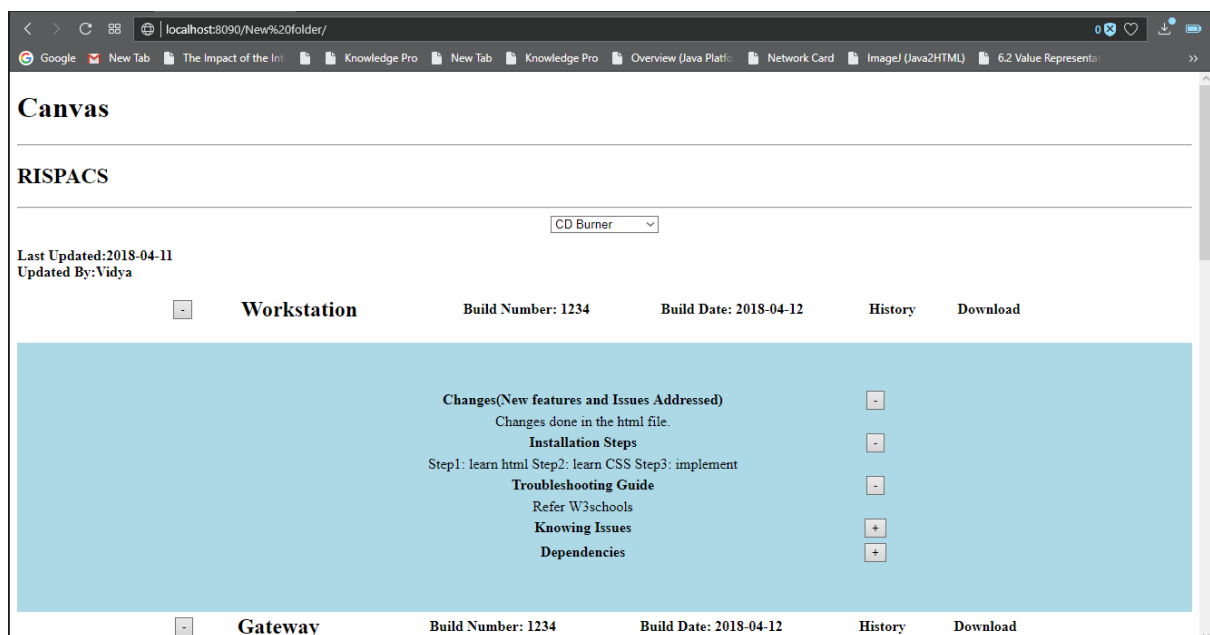


Fig: Webpage

6. SCOPE FOR FURTHER WORK

A download and upload webpages for updating the build information of the project.

7. BIBLIOGRAPHY:

1) Complete Reference – HTML5