

21162101012, 21162101005, 21162101009

Yash L, Prarthi, Dhruvi

SE Practical 1

Project : Cowbot_v4

Domain Analysis :

32.8 Million Desktop Linux users resulting in 2.09% of Desktop OS market share, near to 2.18% of that of Chrome OS

Linux OS is leading Server Market after Windows at share of 13.6%

All those users are our target audience

System Analysis :

Platform used : Garuda Linux version-'Talon' (Arch Linux x64 based)

Environment used :

- Arch Linux official Zen kernel : linux-zen (v6.1.4-zen2-1-zen)
- Python v3.11.1
- MariaDB-v15-distribution-10.9.4 (MySQL is also compatible but lesses Linux integration compared to MariaDB)

Programming languages used :

- Python : For the whole application
- SQL : For Database management
- Shell : For native integration of Python app with Linux kernel to provide functionalities

Timelines and Tasks :

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Project : Cowbot_v4

The screenshot displays a Google Chat window titled 'Cowbot_v4 - Chat - Vivaldi'. The chat interface shows a task list for the 'Cowbot_v4' project, which has 3 members. The tasks are organized into a table with columns for Title, Date, and Assignee. The tasks are as follows:

Title	Date	Assignee
Add space task		
<input type="radio"/> D04 Rigid testing of Final App	Sun, Feb 19	Dhruvi Suthar
<input type="radio"/> P05 Dependency analysis and improving Analysis of all dependencies and improving them by using alternative solutions if possible	Tue, Jan 31	PARI JOSHI
<input type="radio"/> D03 Testing AI Algorithm	Thu, Feb 16	Dhruvi Suthar
<input type="radio"/> Y06 Final App Making Making final build with most major Linux distributions support		
<input type="radio"/> Y05 AI Algorithm Making Making proprietary AI Algorithm for intelligent suggestions based on user input and history	Sun, Feb 12	Assigned to you
<input type="radio"/> D02 Rigid testing of App v1 Rigid testing of application version 1 for Arch based distros in different environments like DEs and DWM, etc.	Sat, Feb 11	Dhruvi Suthar
<input type="radio"/> P04 Research on other possible features	Tue, Jan 31	PARI JOSHI
<input type="radio"/> Y04 App development v1 Preparing working application with logo for Arch Linux and Arch-based Linux distributions	Sun, Feb 5	Assigned to you
<input type="radio"/> Y03 Preparing binary executable of integrated module Preparing Linux specific binaries for prepared integrated module as a whole	Sun, Jan 29, 8:30 PM	Assigned to you
<input type="radio"/> Y02 Integration of prepared modules Integrating prepared modules with main module of Python with general algorithm	Wed, Jan 25, 7:30 PM	Assigned to you
<input type="radio"/> P03 Leobot Logo Designing Logo designing for Premium Leobot	Sun, Jan 22, 11:59 PM	PARI JOSHI

Below the task list, there is a section for 'Completed (2)' tasks:

- ☒ P02 Logo designing phase 2
Designing logo from rough sketch by using tools say Canva
Thu, Jan 19, 8:00 PM
PARI JOSHI
- ☒ P01 Logo phase 1
Phase 1 for Logo designing : Get a simple rough sketch (digital or paperwork) of new logos, say multiple different
Wed, Jan 18, 4:59 PM
PARI JOSHI