AGENDA

01 Summary

02 Project Dashboard Stats

03 Demo

04 Goal Achieved

05 Additional Achievements

06 Learning & Challenges Faced

SUMMARY

Code Analyzer is a platform where the analysis of the overall code is provided. It takes the insights from the existing version control systems and integrates with Github and JIRA, providing the analyses of metrics such as overall repositories count, total contributors in a repository, LOC refactored, and number of commits, and pull requests done by the user, and the file modifications performed.

Code Analyzer

Course - CSCI 5308 Advance Software Development Concepts

Instructor - Professor Dr. Tushar Sharma

TA - Ruchi Shinde

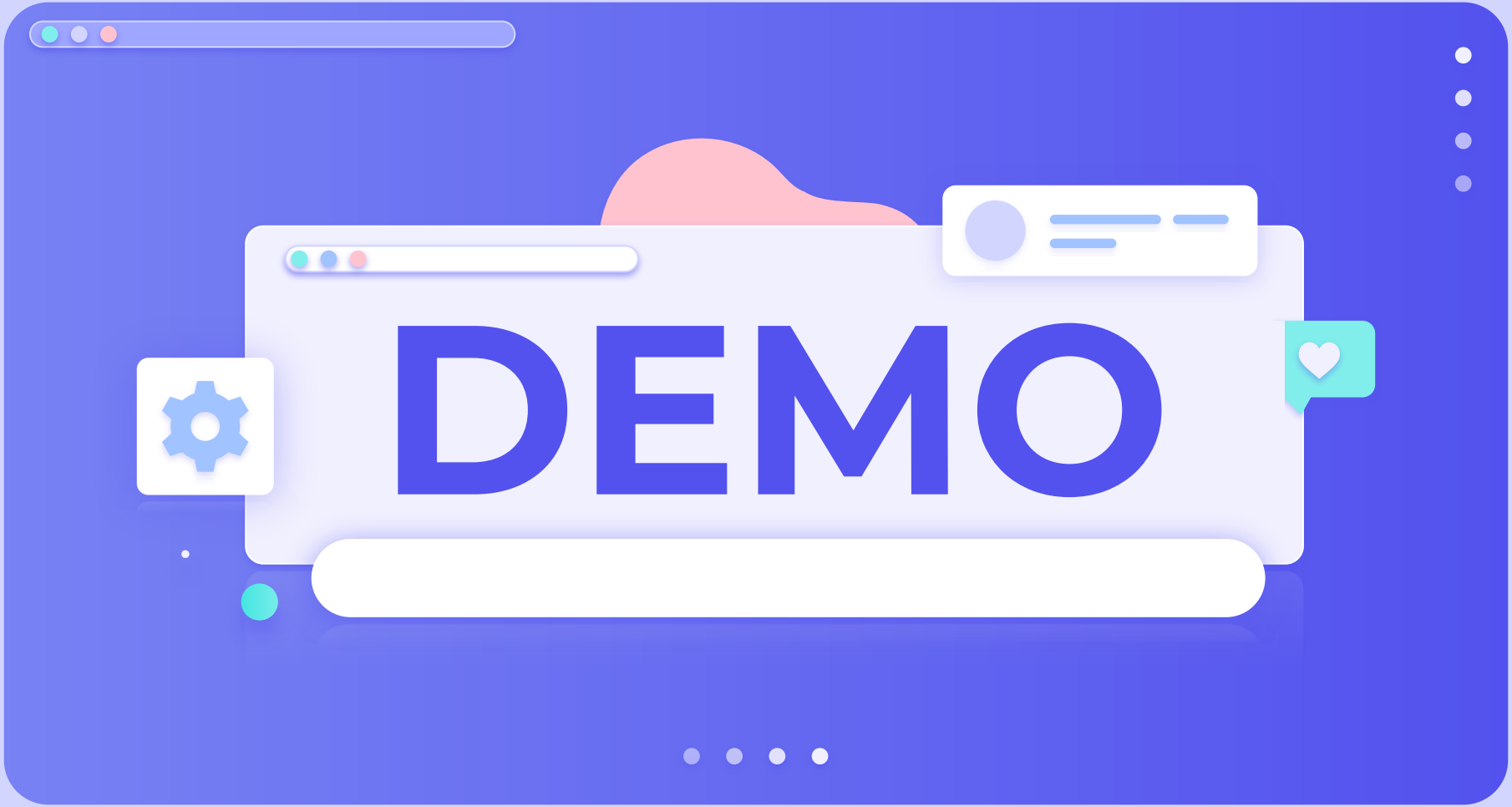
Group - 4

DALHOUSIE UNIVERSITY

FACULTY OF COMPUTER SCIENCE

Our goals

GOAL	STATUS
LOGIN	COMPLETED
DASHBOARD	COMPLETED
REPOSITORY	COMPLETED
COMMITS	COMPLETED
PULL REQUEST	COMPLETED
FILE MODIFICATION	COMPLETED
CI/CD	COMPLETED


DEMO

Additional Achievements

Dashboard Integration across whole repository

Designate JAVA integration

Learnings

- Refactoring
- TDD
- CI/CD
- SonarQube
- Third Party API Integration
- Agile

Challenges

Github:

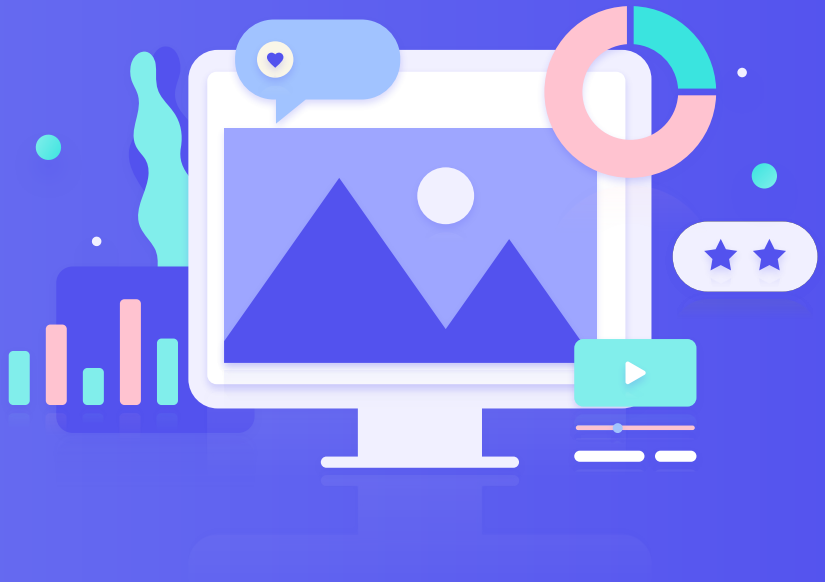
1. Github API rate limit exceed and IPs blocked
2. Took time to understand third party API - Github API
3. Github API Graphql - took time to understand graphql

Jira:

1. JIRA api issues
2. Understanding jira api takes time because the documentation was difficult to understand.

Integration:

1. Integrating Github and Jira api was difficult.



Thanks!