**Students details**

First Student Details.: 311331847 - Asaf Federman

Second Student Details: 312412067 - Yogev Sagron

Email: asaffd@mta.ac.il

**Classes**

Engine

Node - Interface that represents a file(either directory or a file item)

Blob - represents a Blob in the system, implements Node

NodeInformation - stores the information regarding one Node

Folder - represents a Folder in the system, implements Node

Commit - represents a Commit in the system

Branch - represents a Branch in the system

Head - represents the Head in the system

Repository - represents an entire Repository in the system

RepositoryManager - stores the management logic of the M.A.Git system

User - stores a collection of RepositoryManagers

UserManager - stores a collection of Users

MessageManager - control the messages

XMLFetcher - stores the process and logic of validating and fetching of XML file

Utilz - stores helpful static methods for the entire project

**UI**

Angular Deployed UI

**Guide and Webpages**

Registration Page

Chat Page: components - Active chat members, Chat

Messages: components - Messages Amount, Different type of messages (resets after every time u see the messages)

Home Page: components - User Repositories, Active Users, Fork Repositories once click on active user

Single Repository Page: components - Branches, Commits, Commit,

Working Copy, PR Status, PR request

**Pull Request guide**

Create a local branch that points to the commit

Create a pull request with the target and the base branches

Connect to the remote user

Click the repository

Go to the pull status tab to see all the statuses and take action if needed

**Bonuses**

n.1 - Chat

n.2 - Files Tree

n.3 - Branch Removal

n.5 - Aggregation of all the changes in the PR