SnapAll

Mentor – Dr. Siddharth Chauhan (CSED)

Contributors -
14MI510, 14MI532, 14MI541, 14MI544, 14MI554, 14MI556, 14MI559

Introduction

This project is being made in order to track the activities of employees of an organization. This project will help the authority person to keep track of the activities of his/her employees on their PCs. So, with the help of this project, authority person can take the snapshots of his/her employees' screen with a single click and can see the activities of employees.

Targeted Audience

- Educational Institutions can keep an eye on activities of the students in labs.

- Employer in an organization can check whether the employees are working on assigned projects.

- May act as a parental check on the activities of children.

High-Level Design (Admin Interface)

- The end product will be a Web App.

- Authority will be able to access the Web App using password authentication. This will give admin permissions to the authority.

- Web App will provide an interface to the admin to demand screenshots of the connected PCs at any time, by sending an event to the server.

- Admin will be able to see the screenshots sorted by IP Addresses of the PCs in the network.

High-Level Design (Server)

- The Web App will be deployed here, and, will only be accessible by authorized Admin.

- Server will receive the screenshot request from the Admin through Web App.

- It will then send the requests to the targeted clients for capturing their screens, and, receive the screenshots as the response.

- Server will parse the response data into appropriate image formats, and, display them to the Admin through Web App.

High-Level Design (Client Interface)

- Each PC in the network will have a copy of the script that will have the user permissions to be executed.

- This script will start executing whenever user starts a PC in the network, and, will be listening for any server requests.

- Whenever the script will receive a screenshot request from the server, it will handle the request by capturing the screenshot and send it to the server.

Sequence Diagram