TECHNICAL REFERENCE MANUAL

➢ SERVER

- flasklan.py - Python code of the flask application that provides a user interface
  - index(): invokes server initialization and folder creation to store client screenshots
  - monitor(): renders the server dashboard on the web application
  - try1(): invokes deletion of stored client images
  - live(): invokes screenshot request to a specific client
  - disconnect(): invokes disconnection/reconnection of a specific client
  - keywords(): takes keywords from the UI and invokes sending of keywords
  - off1(): invokes shutdown command for a specific client
  - offall(): invokes shutdown command for all clients
  - broadcast(): invokes broadcast message
  - message1(): invokes message sending to a specific client
- Mains.py - Python code for the server side communication with the client
  - createFolders(): create directories to store client images if inexistent
  - emptyFolders(): delete the stored client screenshots from the directories
  - acceptClients(s): listen to client requests to establish connection
  - sessionkey(string): set keywords(string) for the session
  - reqSS(c): request screenshot from a specific client(c)
  - sendmessage(c,msg): send message(msg) to a specific client(c)
  - disconn(addr): disconnect/reconnect a specific client(addr)
  - shutdown(c): command specific client(c) to shut itself down
  - sendkeywords(c,string2): send keywords(string2) to a specific client(c)
  - Main(): initialize the server and periodically request screenshots from clients
- server_ip.txt: a text file containing the IP address of the server
- __pycache__: directory containing cache files
- static: directory containing client screenshots and static images and stylesheets for the UI
- templates: directory containing HTML templates for the UI

- **CLIENT**
    - Clientfinal.py: Python file for client side communication with the server
        - shutdown(): shut the machine down
        - RetrFile(name,sock): send processed and color-coded the screenshot and send it to the server
        - Mbox(): display text as a pop-up
        - viewmessage(s): receive message from server and display as a pop-up
        - setkeyworkds(s): receive keywords from the server and save in a variable
        - sendInvoke(s): receive commands from the server and call appropriate functions
        - Main(): connect to the server and initialize the communication
    - requirements.txt: a text file containing python packages to install using pip
    - server_ip.txt: a text file containing the IP address of the server