Specifications

Screen Capturing Software

1. **Introduction**

This is a very small screen capturing software. The purpose of this software is to capture the screens after a certain time interval and send it to the cloud.

The web Front End will then show captured screens to the client.

**Windows Service**

1. **Pre-requisites**
   1. The software will be installed as a windows service on a client PC. This service will not be scheduled from windows scheduler but will be an inbuilt service.
   2. This service should be able to be installed on all the clients, who has operating systems windows 7 and above.
   3. This system should install MY-SQL Client natively on the PC.
2. **How does it work**
   1. This software installs itself as a hidden service. It shouldn’t be displayed in the system tray.
   2. This software shouldn’t be able to get identified in task manager, under processes and services.
   3. This software shouldn’t be able to be removed from the Add/Remove Programs.
   4. By-default, all the folders of this software should be hidden.
   5. Once installed this software should start capturing the screenshots in default time interval of 30 seconds. This interval should be configurable through an xml file.
   6. Once the screenshot is captured, it should perform the following flow –
      1. If internet is available (check through web socket), then it should save the image in cloud mysql database.
      2. If internet is not available (check through websocket), then it should save the image in local mysql database. When internet is available it should transfer the images from local mysql to cloud mysql db and empty the local mysql db.
      3. The local/cloud mysql db should have one table as follows
         1. Tablename: tblTopoScreens
            1. Fieldname: fldTopoScreenID – AutoIncrement
            2. Fieldname: fldDateTime – Date and Time
            3. Fieldname: fldMacID – The machine ID from which the image is uploaded.
            4. Fieldname: fldScreenshot – The screenshot image in PNG format, not more than 100KB.
            5. Fieldname: fldScreenShotProcessedYesNo – tiny Integer with 0/1. By default value is zero.
      4. The service to be started automatically.
   7. This software service should start automatically when stopped.
   8. The software service should start when windows starts
      1. The status of the service should be recorded in local and cloud mysql db.
         1. TableName: tblTopoScreensServiceStatus
            1. Fieldname: fldTopoScreensServiceStatusID
            2. Fieldname: fldDateTime
            3. Fieldname: fldCurrentState – tinyint -0/1 0-OFF, 1-ON
3. **Web Front End**
   1. The web front end will be very intuitive.
   2. The prototype of web front end can be seen in under

<http://toposcreens.increpe.in>

If there is any problems then ill explain it to you in details

Thanks