## 10. Detailed scenario for project:

This project compresses files on desired hard drive by using lzx algorithm in a ratio of 50%. Lzx algorithm is owned by Windows and is only executable on Windows 10 1603 or later builds. The main purpose of Kompi is making this process easier for end-user with user-friendly interface like most of other tools available online.

When user opens Kompi some basic admin privilages are granted by Windows. User needs to login with its username and password. If it’s not registered, there is a panel button in the login form that redirects user to kompi.rf.gd website to register and payment. In the website user is also allowed to contact with developers for any inconvience. After user login into Kompi it enters into maingui which is where all the job is done.

If user wants to compress a specific drive it selects desired drive and clicks on apply.

If user wants to compress this specific drive continiously in a time interval it needs to select a time interval and click on second apply button.

If user wants to compress the drive that where OS is installed immediately when a file is written then it needs to click on Turn on button. This operation can be reverted by clicking on Turn off button. But before clicking any of this two user needs to check if this operation is supported by its OS and if this is already turned on or off.

If user wants to compress a specific folder it needs to click on browse button and select a directory on a desired drive and then click on apply to make the operation.

While all of this processes done advanced users can check logs by pressing See details >> button.

Kompi can run on system tray too. User just needs to click on minimise button.

## 11. Use case diagram for Kompi:

User registered?

RUN KOMPI

USER

GO TO website for registration

Type of compress?

Whole disk

MainGUI

Timed

Immediately

Directory

OUTPUT

INPUTS are OK?

## 12. Full details context UML diagram of Kompi:

Contact support

Database

KOMPI

Login system

Registration system

Compression service

## 13. Fully detailed process model:

User registered?

RUN KOMPI

USER

GO TO website for registration

Type of compress?

Whole disk

MainGUI

Timed

Immediately

Directory

RUN LZX

INPUTS are OK?

Wait for command to done

WRITE logs

Time interval completed?

END

Wait for it

## 14. Every use cases UML

USER

PAY

REGISTER

USER

COMPRESS

## 15. Tabular description

|  |  |
| --- | --- |
| Actors | User, admin, database |
| Description | User wants to have support or register from website or payment |
| Data | User information, credit card information, messages for troubleshooting |
| Response | User registered, Payment accepted |
| Comments | Troubleshooting attachments or updates |

## 16. Use cases of Admin



## 17. Sequence diagram of every action in Kompi





## 18. UML Classes associations



## 19. Class models

