**Student**

**Functional requirements:**

* *Document Upload:* Users can upload documents from their devices.
* *Printer Selection:* The application lists all available printers for users to choose from
* *Printing Preferences:* The user can set printing preferences.
* *Printing History:* The user can see their printing history.
* *Page Balance Display:* The user can see their available page balance.
* *Extra Page Purchase:* The user can buy extra printing pages.
* *Printing Properties Customization:* The user can choose suitable printing properties (sizes, pages, one- or double-size, which page to print, number of copies)

**Non-functional requirements:**

* *Usability:* The interface is user-friendly; the user can understand and use the application in less than 4 hours of training
* *Document Security:* The user’s documents are secured and cannot be seen by other users without the user’s permission.
* *Page Balance Accuracy:* The user’s page balance is calculated correctly after each print and extra page purchase.
* *Real-Time Information Updates:* Information displayed in SPSO interface needs to be updated as soon as possible (with a delay less than 5 minutes)
* *Scalability and Performance:* The system can manage multiple users at the same time without lagging or crashing.
* *Printing Request Handling:* The system can manage multiple printing requests at the same time without errors or conflicts.
* *Report Accuracy:* The reports generated by the system for the SPSO must be accurate and readable.