

Use case ID	PL1
Use case name	View personal history
Description	The student wants to view their printing log
Actor	Student
Precondition	<ul style="list-style-type: none"> - Student has already logged in to the system - Student has already printed something at least once using the system
Postcondition	System displays the printing logs as well as the total number of pages
Basic flow	<ol style="list-style-type: none"> 1. Student choose the option “View history” from the “Account” menu 2. Student choose the month that they want to see their history 3. System gets the printing logs of that student in that month 4. System calculates the total number of pages that student printed in that month 5. System displays the printing logs as well as the total number of pages used in that month
Alternative flows	None
Extension points	None
Exceptions	None

Use case ID	PL2
Use case name	View system printing history
Description	The SPSO wants to view all the printing logs in the system
Actor	SPSO
Precondition	The SPSO has been authenticated by the system
Postcondition	System displays the printing logs to the SPSO
Basic flow	<ol style="list-style-type: none"> 1. The SPSO choose the option “View system printing logs” from their main menu 2. The SPSO choose a specific time period (date to date) in the “Time” filter 3. System gets all the printing logs from that time period 4. System displays the printing logs to the SPSO
Alternative flows	None
Extension points	<ul style="list-style-type: none"> - View a student’s history (PL2.1) - View a printer’s history (PL2.2)
Exceptions	<ol style="list-style-type: none"> 2a. The time period is invalid <ul style="list-style-type: none"> - An error message shows up, back to step 2

Use case ID	PL2.1
Use case name	View a student's history
Description	The SPSO wants to see the printing logs of a specific student
Actor	SPSO
Precondition	Step 2 of use case PL2 is completed
Postcondition	Systems displays the printing logs of the chosen student to the SPSO
Basic flow	<ol style="list-style-type: none"> 1. The SPSO enters the Student ID (sID) into the "Student ID" filter 2. System gets the printing logs with the identified sID in the specified time period 3. Systems displays the printing logs of that student to the SPSO
Alternative flows	<ol style="list-style-type: none"> 1a. The SPSO wants to find that student by other information <ol style="list-style-type: none"> 1. The SPSO choose the option "Find Student" 2. The SPSO uses the filter for the information they have (name, email, phone number) 3. System displays the students with the corresponding information 4. The SPSO choose the student that they want to see from that list 5. The system identifies the sID of that student <p>Continue step 2</p>
Extension points	None
Exceptions	<ol style="list-style-type: none"> 1a. The sID is not found <ul style="list-style-type: none"> - An error message pops up, return to step 1

Use case ID	PL2.2
Use case name	View a printer's history
Description	The SPSO wants to see the printing logs of a specific printer
Actor	SPSO
Precondition	Step 2 of use case PL2 is completed
Postcondition	Systems displays the printing logs of the chosen printer to the SPSO
Basic flow	<ol style="list-style-type: none"> 1. The SPSO enters the Printer ID (pID) into the "Printer ID" filter 2. System gets the printing logs with the identified pID in the specified time period

	3. Systems displays the printing logs of that printer to the SPSO
Alternative flows	None
Extension points	None
Exceptions	1a. The plID is not found - An error message pops up, return to step 1

Use case ID	PL3
Use case name	View report
Description	The SPSO wants to view the monthly/annual report generated automatically by the system
Actor	SPSO
Precondition	- The SPSO has been authorized by the system - A report must be generated by the end of each month and each year
Postcondition	The system displays the generated report at the end of the specified time
Basic flow	1. The SPSO chooses the “Show Report” from their main menu 2. The SPSO chooses the month and the year that they want the report 3. The system displays the report generated at the end of that month
Alternative flows	2a. The SPSO only chooses the year - The system displays the annual report instead
Extension points	None
Exceptions	None