UC004 Methods

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Use case Number	UC004
Use case Name	User requests to save the current spreadsheet.
Goal in context	The user must be able to save the file properly.
Actors and their interest	∉ User. ∉ System being developed.
Preconditions	∉ The program shall be opened before. ∉ A file .s2v shall exist with a proper format. ∉ The user introduces the option of the menu which corresponds to the save spreadsheet.
Postconditions	The system saved the file but maintain in memory the spreadsheet.
Basic Flow	1. The user introduces the path. 2. The system displays a message saying that it has been successfully saved.

Extensions	1.a The user introduces a path which does not exist:
	    1. The system displays an error message.
	
	1.b The user enters a path, and the file name already exists:
	    1. The system asks whether to overwrite the file or not.

Special Requirements	All the data requirements shall be developed.

Step in the Use Case	1, 2
Name of the method	saveSpreadsheet
Initial list of arguments	• Spreadsheet spreadsheet: the spreadsheet to persist in a file. • String path: the destination path of the file.
Returned Value	The method does not return any value (void).
Exceptions	1.a IncorrectPathException: Thrown if the path provided does not exist or cannot be accessed. 1.b IncorrectFormatException: Thrown if the format of the path is incorrect. IOException due to save the file with the Java library.
Description	It checks the path's existence and format and throws relevant exceptions if any issues are found.

	Perform the process of saving the Spreadsheet into a file with the required format.
Assigned to class	SpreadsheetSaver: because this class will be used for persisting the file of the spreadsheet. SRP of Spreadsheet (only keeps the data in memory).