MADBOTS

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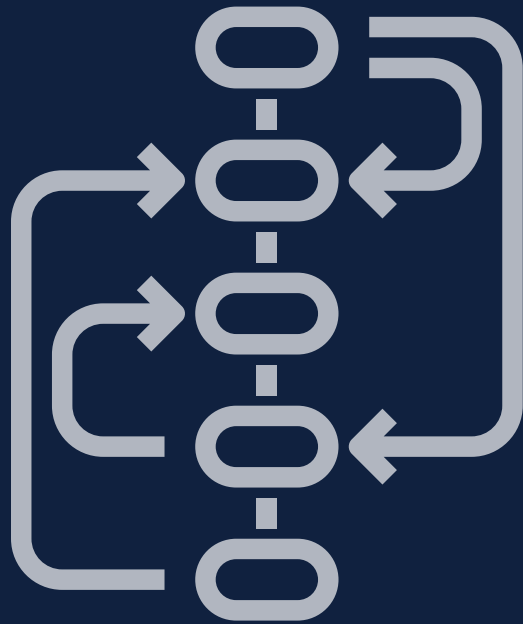
Problem Statement

MJ Problem Statement - 16

Design a bot to update and check the scholarship eligibility of students on the basis of previous semester results. The unique key to match is the Registration no. of the student. If a student has more than 8 CGPA in previous semester, then he/she will be eligible for continuing his/her scholarship for upcoming semester.

Proposed System

We are proposing a bot that will take two files as input. Compare them on the basis of their common key. Then after implying particular constraints it will provide desired output.

scanning the result.xlsx file
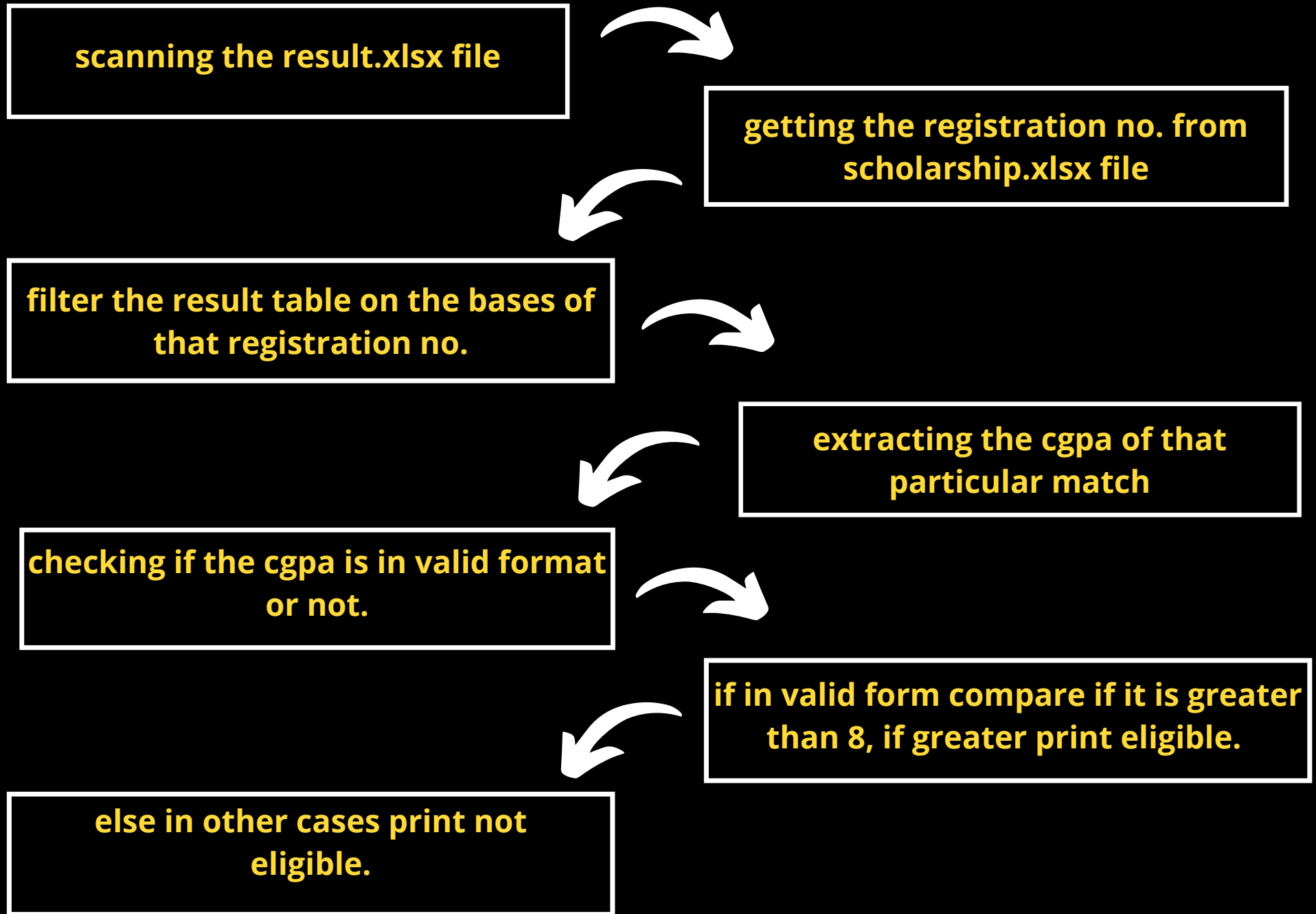
getting the registration no. from scholarship.xlsx file

filter the result table on the bases of that registration no.
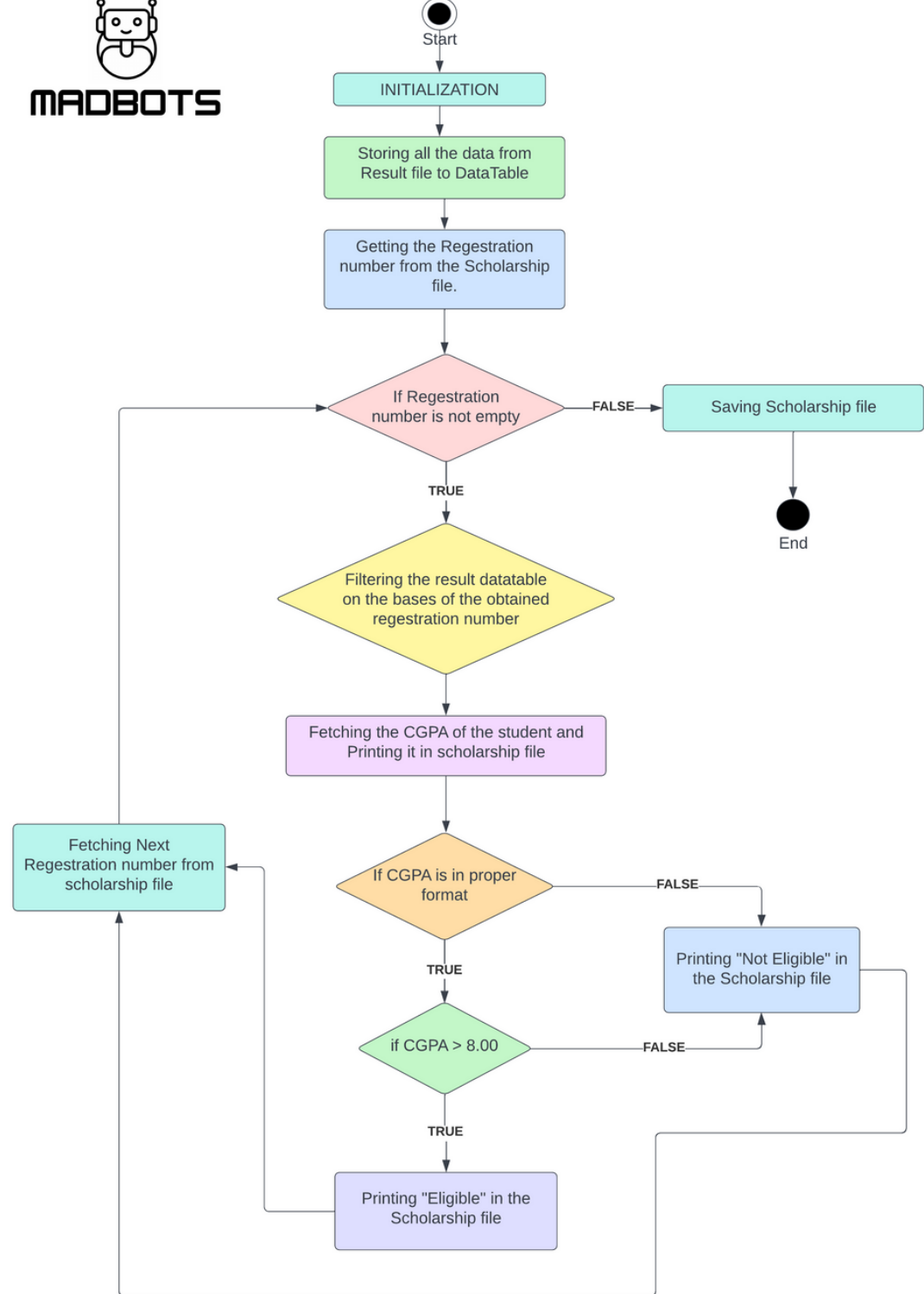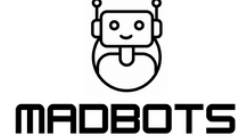
extracting the cgpa of that particular match

checking if the cgpa is in valid format or not.

if in valid form compare if it is greater than 8, if greater print eligible.

else in other cases print not eligible.

Flowchart

MADBOTS

Start

INITIALIZATION

Storing all the data from Result file to DataTable

Getting the Regestration number from the Scholarship file.

If Regestration number is not empty → FALSE → Saving Scholarship file → End

TRUE

Filtering the result datatable on the bases of the obtained regestration number

Fetching the CGPA of the student and Printing it in scholarship file

If CGPA is in proper format → FALSE → Printing "Not Eligible" in the Scholarship file

TRUE

if CGPA > 8.00 → FALSE → Printing "Not Eligible" in the Scholarship file

TRUE

Printing "Eligible" in the Scholarship file

Fetching Next Regestration number from scholarship file

THANKYOU