AI TODO Personal Assistant

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Abstract
In this paper we are gonna discuss how we build a speech recognition system with the wake word to detect what the user is saying and based on that we can add a new To-Do or remove a To-Do, the input is a record voice and the output is add/remove or todo or do nothing if it couldn't detect the speech or the user gave a command which is not add/removex

Keywords
Torch — Wav2Vec — NLP — WakeWord

[1] *MIU, Computer Science*

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3. Restful apis

1st api: to detect the record [speech recognition] based on Wave2Vec Bert
2nd api: to make string processing to process the text from the recording
3rd api: to show the result add/remove a To-Do based on the text or do nothing

4. UI

We used the Flask template to show the record a voice and then based on that voice add/remove a todo

5. Docker

We used docker to ship the system, we generated the dockers files to be compatible with Flask.