



TEAM NIGHT OWLS

NIGHT OWLS

TEXTTALK

24 - 26 MARCH

ChatGPT API & Whisper API Global Hackathon



48-HOURS HACKATHON



TEXT TALK



With the increasing remote working environment, cultural diversity has become an integral part of our work flow, with tons of expertise from different areas of the world.

Noticeably technical communication and complex explanations are often done better when people speak their native languages to one another. There are usually cases within remote meetings where an excuse is taken to communicate a business or tech problem to an engineer.

TEXTTALK SOLUTION.

Goal: Language optimizer using audio to text and video conversion.

An app that converts audio to text and further output a video with more context, in preferred languages and dialects for better understanding.



MEET TEAM NIGHT OWLS



ALI RAZA

Full stack web
developer



Umair

Data Scientist



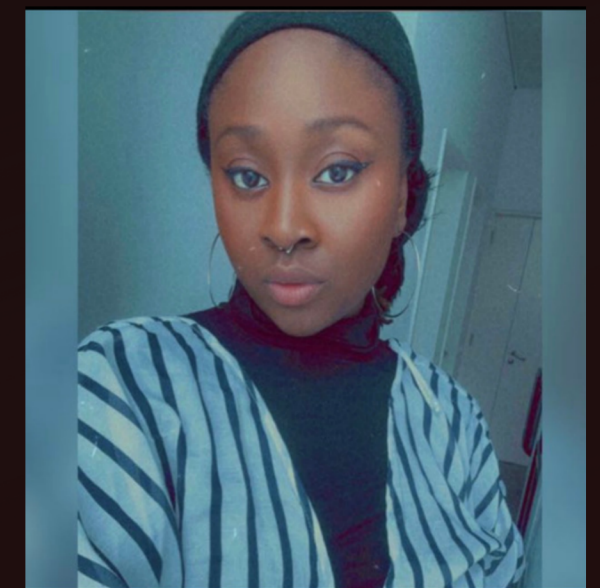
Inaam

Machine learning
engineer



Tayyab Zain

Frontend Developer



Mariam

Data Scientist



STUDY & INSPIRATION



TEAM NIGHT OWLS

According to a racial and ethnic disparity in teleworking blog by the CDC, their study found that 22% of workers teleworked during May 2020 through July 2021. There were differences in the percentages of workers who teleworked by race:

- 38% of Asian workers,
- 24% of White workers,
- 19% of Black workers, and
- 14% of Hispanic workers teleworked during this period.

BENEFITS OF LANGUAGE PRESERVATION

Cognitive Development

Multiple studies have found that learning another language enhances problem solving skills, memory and concentration. Students who study a foreign language are better at multitasking, score higher on standardised tests and have denser grey matter in the part of the brain involved in executive function.

The skills gained through studying languages are used in all subjects and can improve overall academic performance. The reason languages are so effective at boosting brain power is because of the mental agility needed to translate, make connections and memorise rules and structures



[HTTPS://TUTORDOCTOR.COM.AU/BLOG/BENEFITS-FOR-STUDENTS-OF-LEARNING-A-FOREIGN-LANGUAGE/#:~:TEXT=THE%20SKILLS%20GAINED%20THROUGH%20STUDYING,AND%20MEMORISE%20RULES%20AND%20STRUCTURES.](https://tutordocor.com.au/blog/benefits-for-students-of-learning-a-foreign-language/#:~:text=the%20skills%20gained%20through%20studying,and%20memorise%20rules%20and%20structures)

[HTTPS://BLOGS.CDC.GOV/NIOSH-SCIENCE-BLOG/2022/04/26/TELEWORK-RACE-COVID/](https://blogs.cdc.gov/niosh-science-blog/2022/04/26/telework-race-covid/)

STUDY



According to a racial and ethnic disparity in teleworking blog by the CDC, their study found that 22% of workers teleworked during May 2020 through July 2021. There were differences in the percentages of workers who teleworked by race:

- 38% of Asian workers,
- 24% of White workers,
- 19% of Black workers, and
- 14% of Hispanic workers teleworked during this period.



BENEFITS OF LANGUAGE PRESERVATION

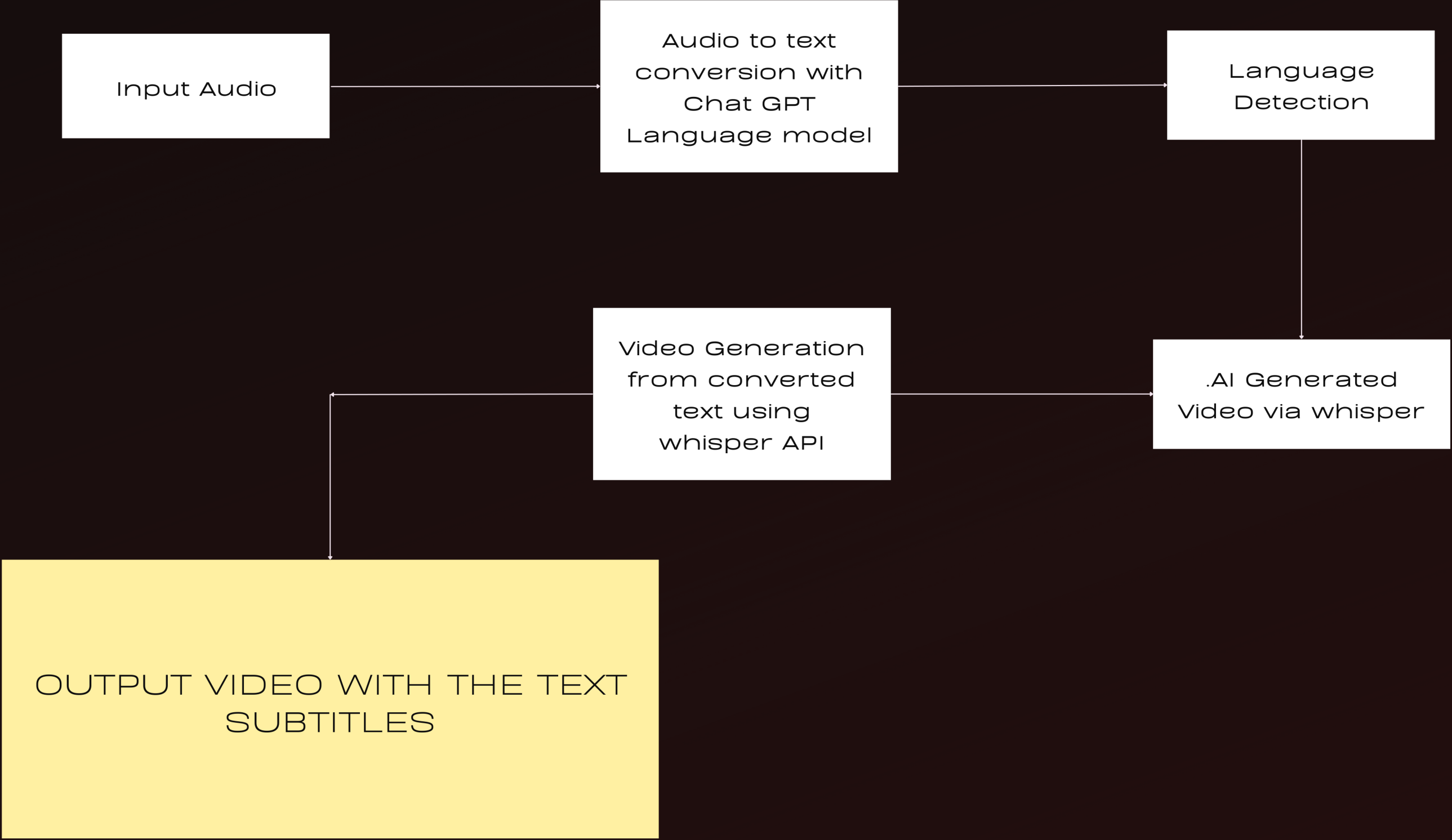
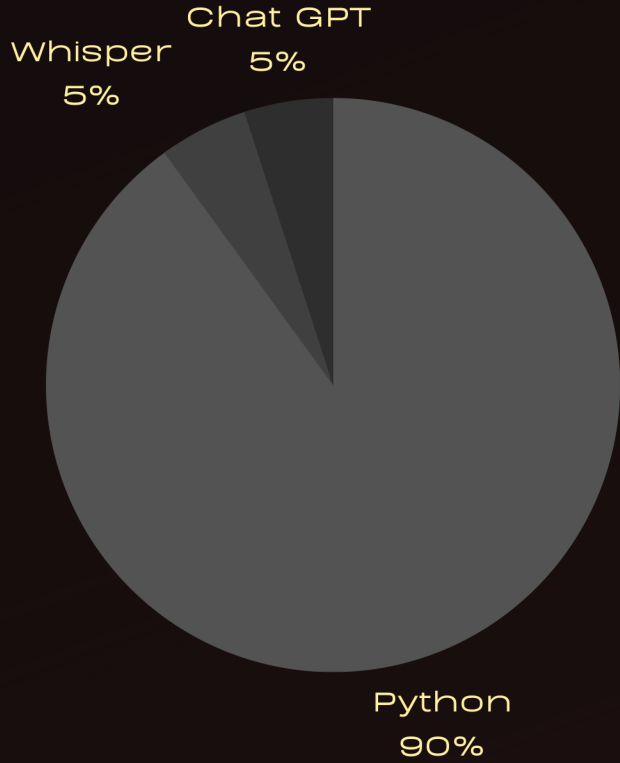
Cognitive Development

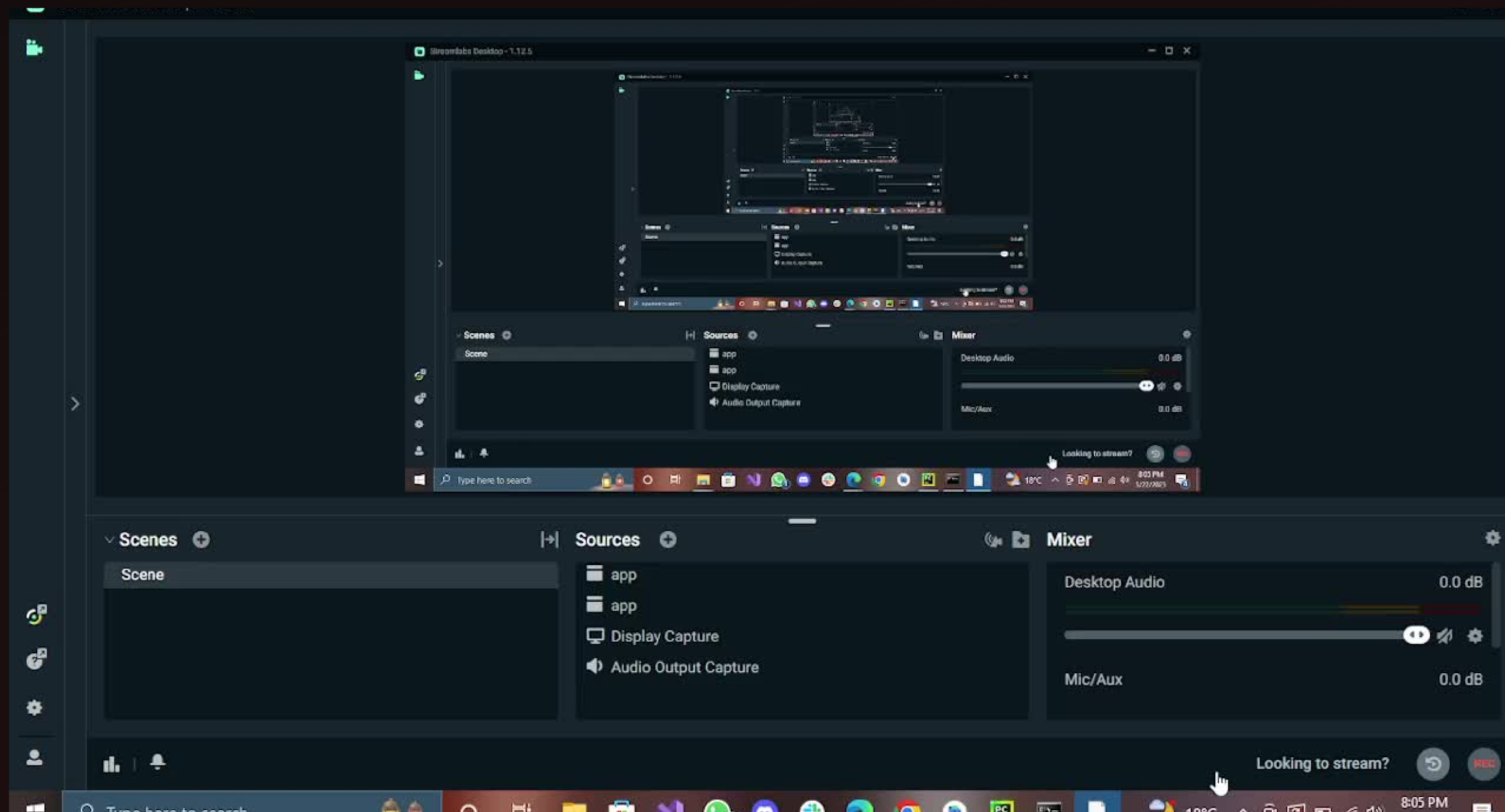
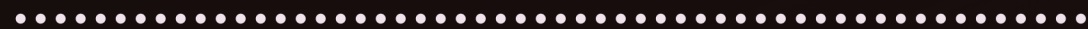
Multiple studies have found that learning another language enhances problem solving skills, memory and concentration. Students who study a foreign language are better at multitasking, score higher on standardised tests and have denser grey matter in the part of the brain involved in executive function.

The skills gained through studying languages are used in all subjects and can improve overall academic performance. The reason languages are so effective at boosting brain power is because of the mental agility needed to translate, make connections and memorise rules and structures



WORKFLOW





DEMO TEST RUN

