

# DRILLOVAČKA

Basic school math drill platform with entering answers by voice

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## Motivation

- there are only basic web applications for math exercising with entering answers by voice
- existing solutions do not support Czech language

## Objective

- create math drill platform specified on Czech elementary school math
- allow users to enter answers by voice in Czech

## Result

Implemented web application

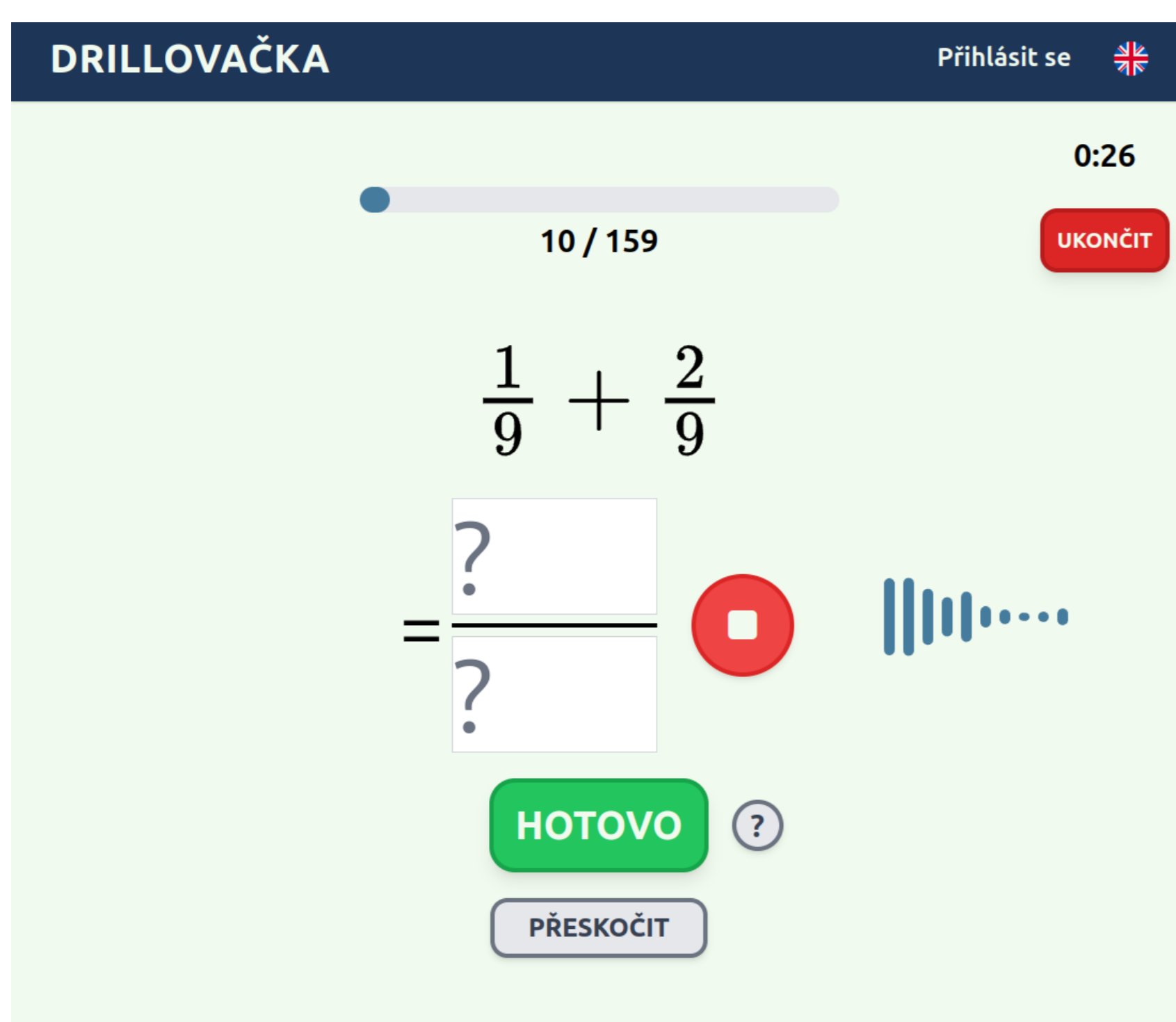


Figure 1. Screenshot of practice view of web application.

Try it now!



## Evaluating ASRs Using WER

Evaluated using dataset of 800 user-generated voice inputs

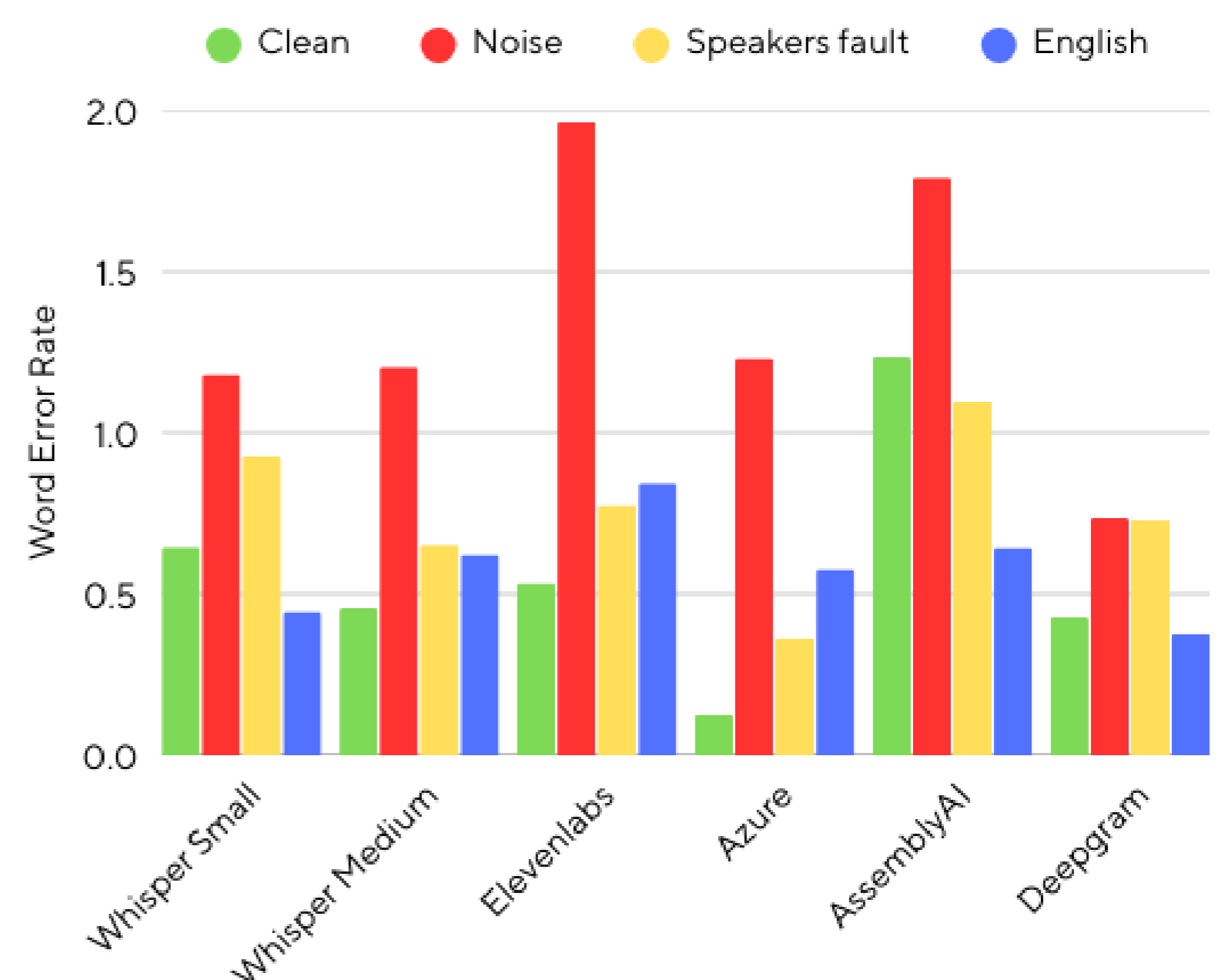


Figure 3. WER results of selected ASRs

## How it works

Spoken answer evaluation pipeline

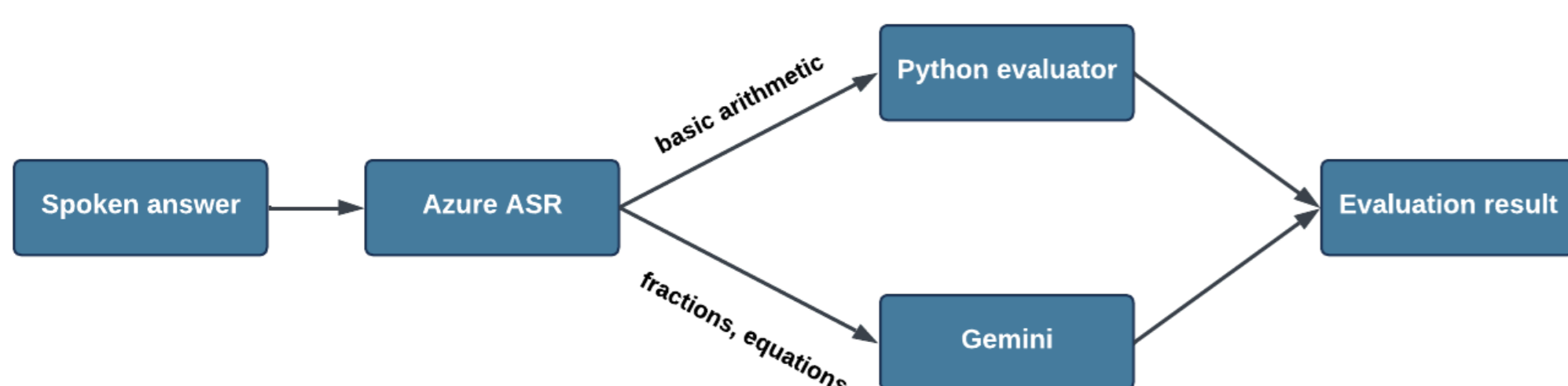


Figure 2. Pipeline architecture.