

Digitalised Language Teaching & **Proficiency Testing** 

يادات الخارجية

Mourhaf Kazzaz

m-mourhaf.kazzaz@student.uni-tuebingen.de

**Nelly Sagirov** 

melly.sagirov@student.uni-tuebingen.de

جامعة إبرهارد كارل الجامعة 17 مسن

Dr. Claudia Duttlinger

University of Tübingen LEAD Graduate School & Research Network Walter-Simon-Straße 12, 72072 Tübingen, Germany claudia.duttlinger@uni-tuebingen.de



## LANGUAGE SKILLS

- Exercises targeting different proficiency levels and linguistic skills for a variety of different languages
- Training for both comprehension and production competencies
- ▶ Strong focus on helping students map vocabulary to orthography
- Automatic generation of placement test in the C-test format, a widely used and highly valid testing instrument for higher education

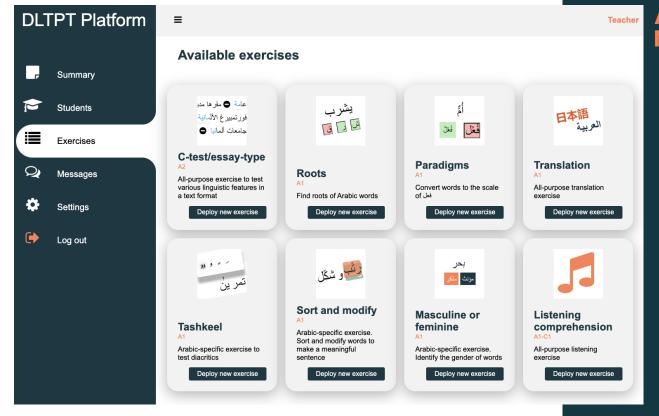
## INDIVIDUALISED FEEDBACK

- Automatic individualised feedback for the learner during and after completion of each exercise
- Scaffolding to help clarify learner errors and suggest tips for further improvement



## PRACTICAL FEATURES

- ▶ Simple and intuitive exercise editor for a variety of exercise types
- ► Exercises can be created for any content topic (theme, grammar point, vocabulary list, etc.) and to test various language skills (morphology, orthography, vocabulary, listening comprehension, etc.)
- Exercises are easy to save, edit, and re-use
- Scaffolded feedback for learners
- Separate interfaces for teachers and learners; learners are grouped by teacher for easy assignment of exercises and review of results
- Internal messaging functionality
- Outstanding tasks and previous attempts are displayed directly on the main learner page



## ARTIFICIAL INTELLIGENCE & NATURAL LANGUAGE PROCESSING

- DLTPT employs state of the art natural language processing technology to support the teacher in the creation of exercises
- ▶ Deep learning models are used in the listening exercise to automatically transcribe an audio file, helping the teacher to focus on the content rather than the exercise creation process
- ▶ In the essay-type/C-test exercise, DLTPT automatically recognises parts of spech and suggests gap placements, while still allowing for adding, removing, and post-editing gaps according to teacher needs