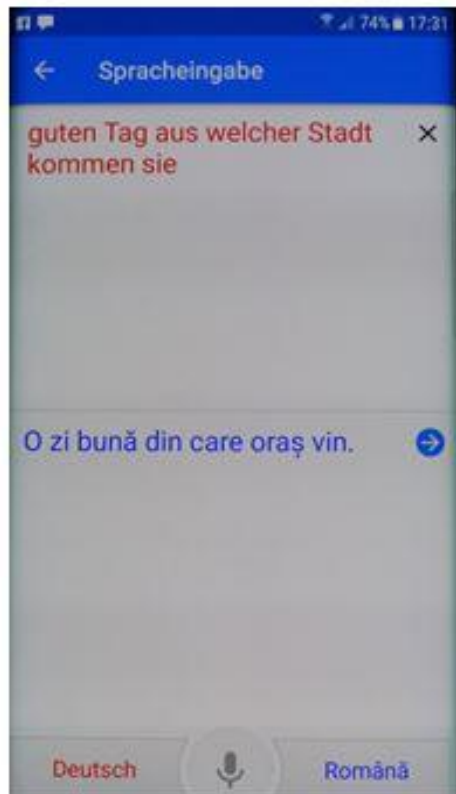


Practical overcoming of language barriers (use of translation apps etc.)



Dr. Wolfgang Doster, Russe 12-Oct-2017



Recognized in German

Translated into Romainian
Speech output

Speech input in German



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Impressions

Dialogue came off well. Sometimes, there was laughter because the translation was not always the way it should have been.

To activate a language you have to press a symbol, then speak. It is also possible to activate both languages but with reduced recognition rate.

All over evaluation. Good tool, but ..

- Internet access necessary
- Background noise and other people are a problem
- Speech output not available for all languages, e.g. not for Bulgarian



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Further steps

Have an intensive look on the development of translation apps. Compare the apps.

Implement a kind of click and speak for our keyword lists, to train speaking in the foreign language.

Off line version on PC and on smartphone



The screenshot shows a translation application interface. On the left, there is a speaker icon and the word "brot" in blue. On the right, there is a speaker icon and the word "carne" in yellow. The interface displays two columns of words: German on the left and Romanian on the right. The German words are: Brot, Eis, Fisch, Fleisch, Gemüse, Käse, and a list of beverages. The Romanian words are: Pâine, Înghețată, Pește, Carne, Legume, Brânză, cașcaval, and a list of beverages. The word "Carne" is highlighted with an orange box, and "brot" is highlighted with a blue box.

German	Romanian
Brot	Pâine
Eis	Înghețată
Fisch	Pește
Fleisch	Carne
Gemüse	Legume
Käse	Brânză, cașcaval
Kaffee, Milch, Tee, Zucker, Wasser mit und ohne Kohlensäure, Bier Wein (rot und weiß und rosé) Schnaps, Fruchtsaft, Eiswürfel	Cafea, lapte, ceai, zahăr apă cu sau fără gaz, bere vin(roșu, alb și rose) tărie, suc, cuburi de gheață















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Deutsch	Bulgarian
<u>eins</u>	<u>edno</u>
<u>zehn</u>	<u>deset</u>
<u>hundert</u>	<u>sto</u>
<u>zwei</u>	<u>dve</u>
<u>drei</u>	<u>tri</u>
<u>vier</u>	<u>chetiri</u>
<u>fünf</u>	<u>pet</u>
<u>Abfahrt - wann</u>	<u>Otpatuvane - koga</u>
<u>Alter - wie alt bist du</u>	<u>Vazrast - na kakva vazrast ste?</u>
<u>Ankunft - wann</u>	<u>Pristigane - koga</u>
<u>Bahnhof</u>	<u>Zhe Pe Gara</u>



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-  bul Ankunft - wann.mp3
-  bul Bahnhof.mp3
-  bul Bank , wo ist.mp3
-  bul Bar oder Kreditkarte.mp3
-  bul Bitte , Danke.mp3
-  bul Briefmarken , wo kaufen.mp3
-  bul Bus , wann fährt.mp3
-  bul Bushaltestelle , wo ist.mp3
-  bul Damen, Herren.mp3
-  bul drei.mp3
-  bul eins.mp3
-  bul Eltern , leben deine Eltern.mp3
-  bul Enkel , hast du Enkel.mp3

File names in German for speech in Bulgarian



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How to continue?

- Continue click and speak for all keywords in all Languages in Serbian, Bulgarian, Romainian, Croatian and German
- Implement as Internet Service
- Implement as offline Service on PC and smartphone



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Thank you



Thank you blagodarya Danke

Hvala

Mulțumesc hvala



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