**Deployment**

Graphical user interface, text, application

Description automatically generatedGraphical user interface, application

Description automatically generatedThe RoBERTa model was successfully deployed on an Azure Container Instance as a real-time endpoint. Screenshots of the endpoint are shown below: (Deployment process can be viewed in “./deployment-files/RoBERTa\_Deployment.ipynb”

**Readability Bot (Advanced requirement 3)**

The bot has been developed and works properly in the Bot Framework Emulator, with example screenshots shown below. **Note: Screenshots shown below are of a prior version. For current version, visit @Commonlit\_Bot on Telegram. New features include, “Estimated Year Level”, updated help function, updated dialogs/responses.**

Graphical user interface, text, application, email

Description automatically generated**Help**

Graphical user interface, text, application

Description automatically generated**One-line call**

Graphical user interface, application, Teams

Description automatically generated**Two-line call**

**Text

Description automatically generatedGraphical user interface, text, application, chat or text message

Description automatically generatedExtended text input (for longer excerpts)**

**Limitations of Readability Bot**

* The messages which are sent by the user cannot exceed a certain length. A work-around was implemented though, by allowing the user of the chatbot to enter text over multiple messages, and calculate the readability score of the full text.
* Graphical user interface, text, application, email

  Description automatically generatedThere may be some flaws to the LUIS AI, in which an intent is detected even when the user does not mean for that intent. This is a minor issue and only occurs on rare cases. An example of such a case is given below, in which typing an unrelated sentence would be detected as the user wanting to ‘score some text’.

**Bot Publishing (Advanced requirement 4)**

**Graphical user interface, text, application

Description automatically generated**Resources were configured appropriately according to below:

The bot was successfully published onto the Azure Bot service on a personal account. Attempting to use the school account would result in failure to publish the bot likely due to subscription or account issues associated with university permissions.

Graphical user interface, application

Description automatically generated

Graphical user interface, application

Description automatically generated**Testing bot in Azure Bot web chat**

Bot works as expected.

**Hosting chatbot on Telegram**

A screenshot of a computer

Description automatically generatedHosting the chatbot on Telegram also works as expected, although the formatting of the text responses given by the bot had to be changed slightly in order for the text to be compatible with Telegram. For example, ‘<’ characters needed to be escaped within the Bot Composer since they were reserved for some other use.