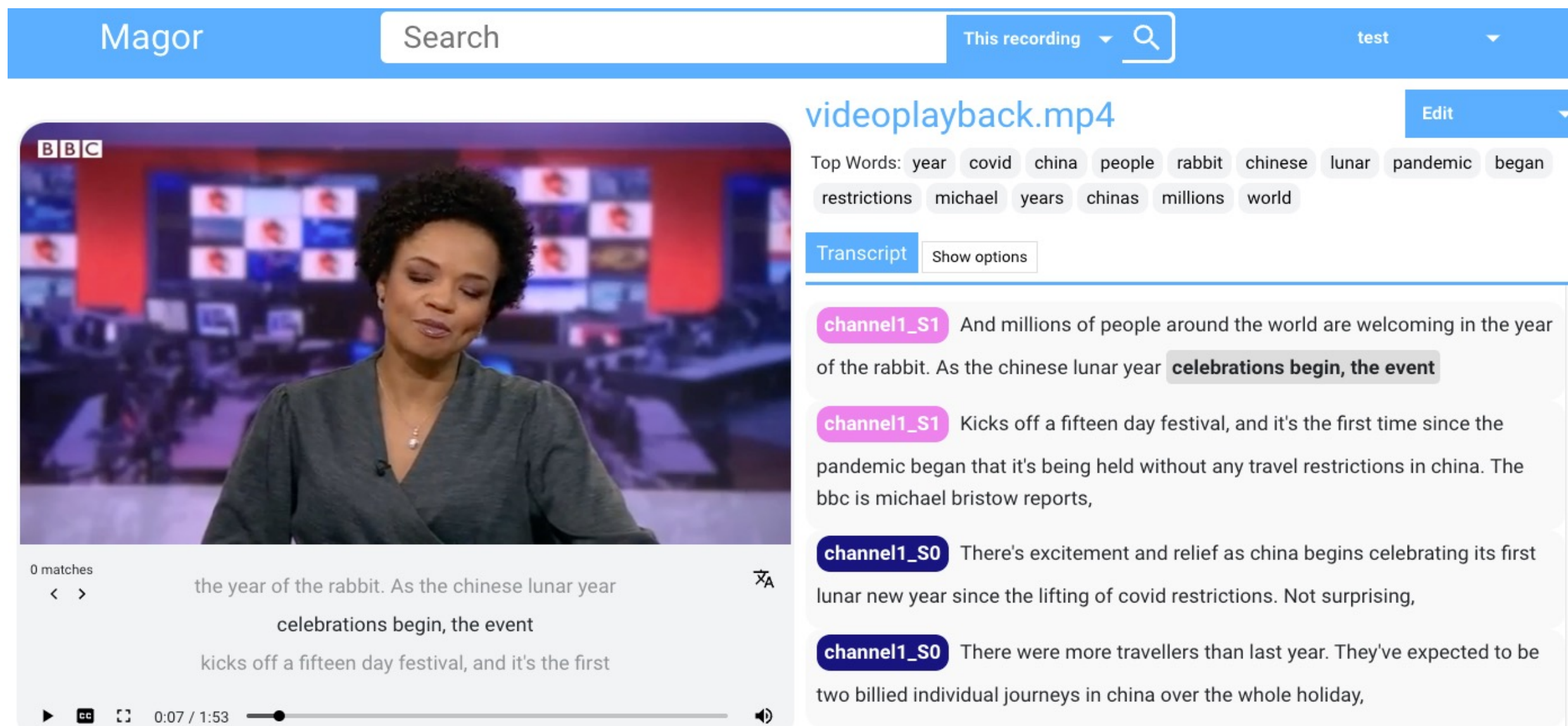


MAGOR

Web-Based Speech Recognition Platform (On Cloud and Local Deployment)

Student: Christopher Yong Wan Kang

Supervisor: A/P Chng Eng Siong



The screenshot shows the MAGOR web application interface. At the top, there is a search bar and a dropdown menu for 'This recording' with a search icon. Below the search bar, there is a video player showing a BBC news anchor speaking. To the right of the video player, there is a transcript section with the following text:

channel1_S1 And millions of people around the world are welcoming in the year of the rabbit. As the chinese lunar year **celebrations begin, the event**

channel1_S1 Kicks off a fifteen day festival, and it's the first time since the pandemic began that it's being held without any travel restrictions in china. The bbc is michael bristow reports,

channel1_S0 There's excitement and relief as china begins celebrating its first lunar new year since the lifting of covid restrictions. Not surprising,

channel1_S0 There were more travellers than last year. They've expected to be two billied individual journeys in china over the whole holiday,

Project Objectives:

MAGOR is a web application that offers audio and video transcription services. MAGOR consists of three services, and external dependencies such as Azure Cloud Storage and a centralized Automatic Speech Recognition (ASR) gateway. The objective of this project is to document and optimize the deployment process of MAGOR, followed by streamlining and improving it, and develop a version that eliminates Azure Cloud Storage dependencies to address client security concerns. In addition, the project involves implementing a CI/CD pipeline and software tests to ensure the system's reliability while covering critical maintenance tasks like bug fixes.

