NANYANG TECHNOLOGICAL UNIVERSITY
SINGAPORE

School of Computer Science and Engineering
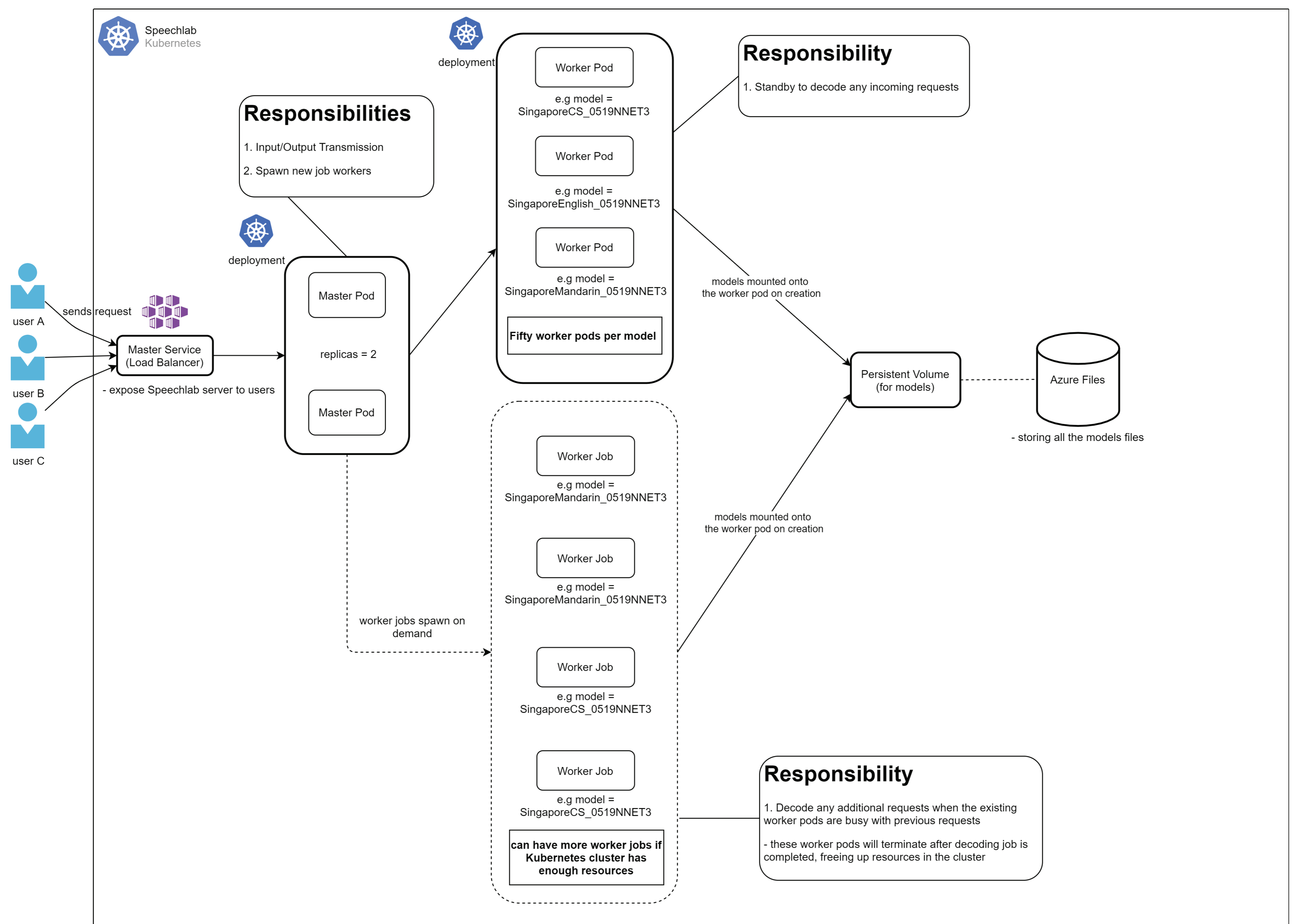**College of Engineering**

Deploying Speech Recognition System using High Availability and Scalability Kubernetes Cluster
With Kubernetes and Docker

Project Objectives:

This project aims to improve the scalability of the existing speech recognition system such that it can support dynamic increase in workload requesting for its service. This project aims to use containerization technology such as Docker and container orchestration tool such as Kubernetes to orchestrate the use of resources in the cloud server to process the incoming speech-to-text decoding requests efficiently and effectively.

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