Project Abstract

From many perspectives, efficient resource allocation plays a crucial role in a successful business management. To stay competitive in a fast-paced market environment, strategic companies have increasing demands for a modern resource allocation platform that maximizes the utilization in multiple factors. Such a platform not only schedules the workflow smoothly between processes, but also provides dynamics so that it is flexible to adapt to potential changes.

Our team proposed an innovative scheduling model that can be applied to production planning, ticket assignment or clinical appointment. In addition, the analytics can be used for periodic performance appraisal. The application will be developed on the Android platform. We consider adopting the architectural and design patterns in future lectures. As a team, we are also intended to collaborate and allocate individual works via the version control software (e.g. Git). For deployment stage, we would like to achieve build automation by dependency management tool (e.g. Maven).

Team member:

Beichen Wu (b72wu@uwaterloo.ca)

Yixing Sun (y494sun@uwaterloo.ca)

Yuanhan Wang (y384wang@uwaterloo.ca)