

Software Architecture

UNIVERSITY OF THE WITWATERSRAND

Software Design Project 2018

COMS3009



Scope

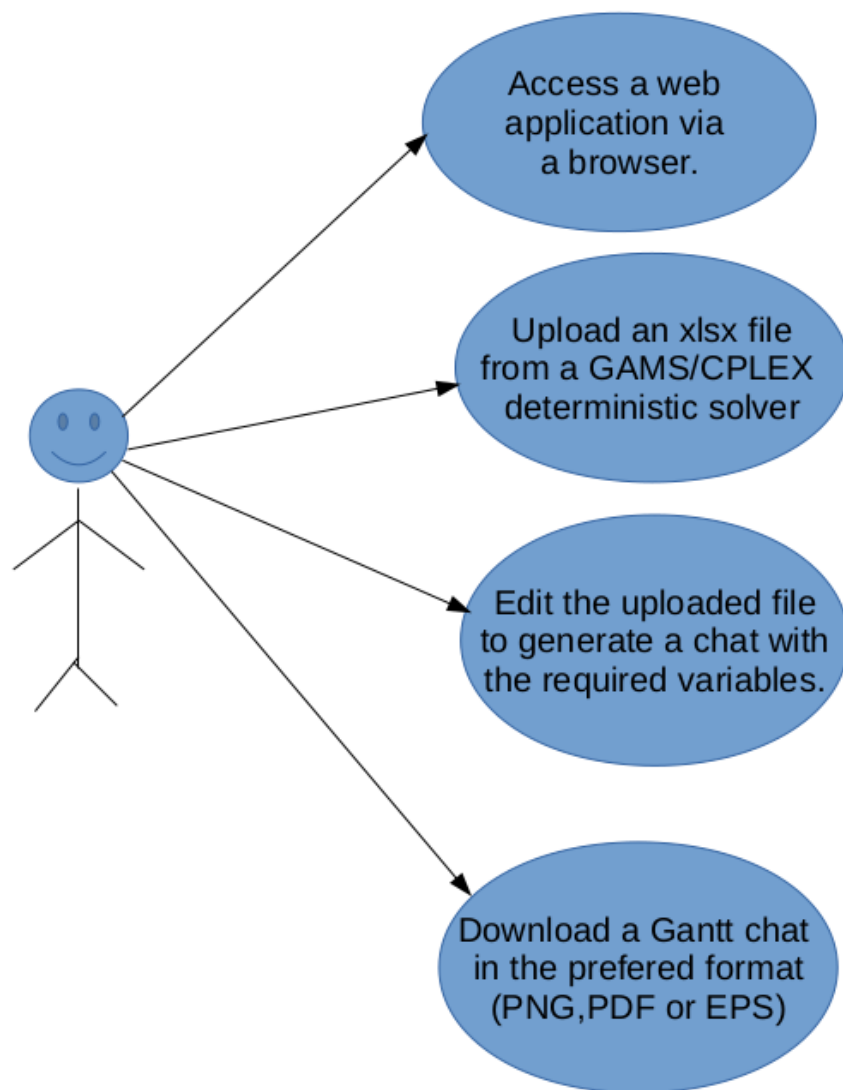
- This report will define high level design and technology decisions of the generation of Gantt Chart schedules in Batch Process Optimization from GAMS/CPLEX deterministic solvers by using a web-based GUI interface.
- The report includes a description of use-case diagram, layers of the system and system requirements.

Definitions

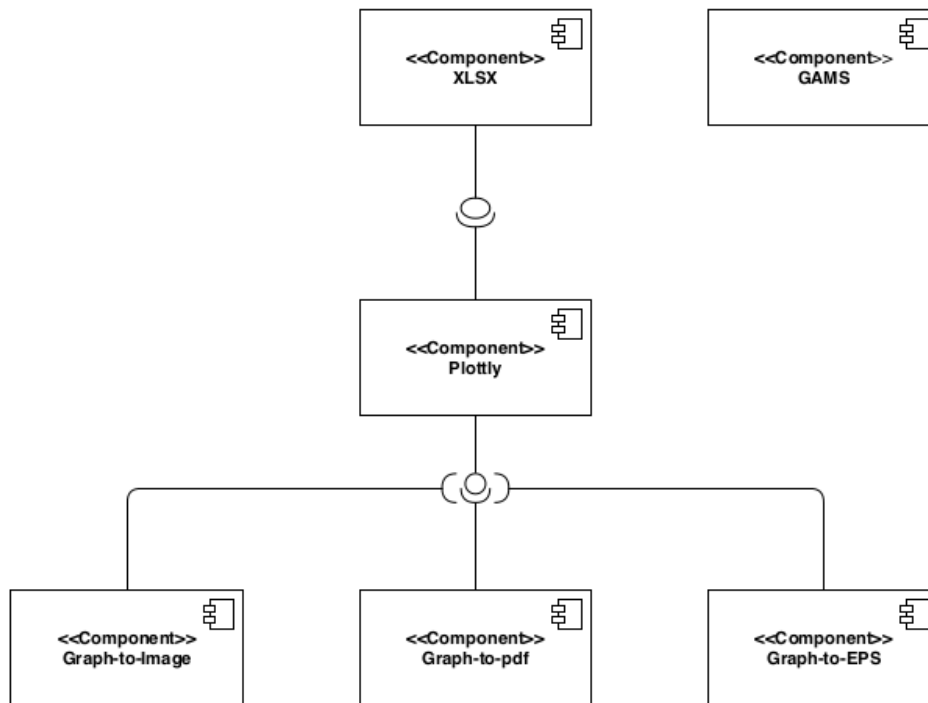
Batch processing is the performing of an industrial process on material in batches of a limited quantity or number. A Gantt chart is type of bar chart that that illustrates a project schedule, it also shows the dependency relationships between activities and current schedule status

Use-Case View

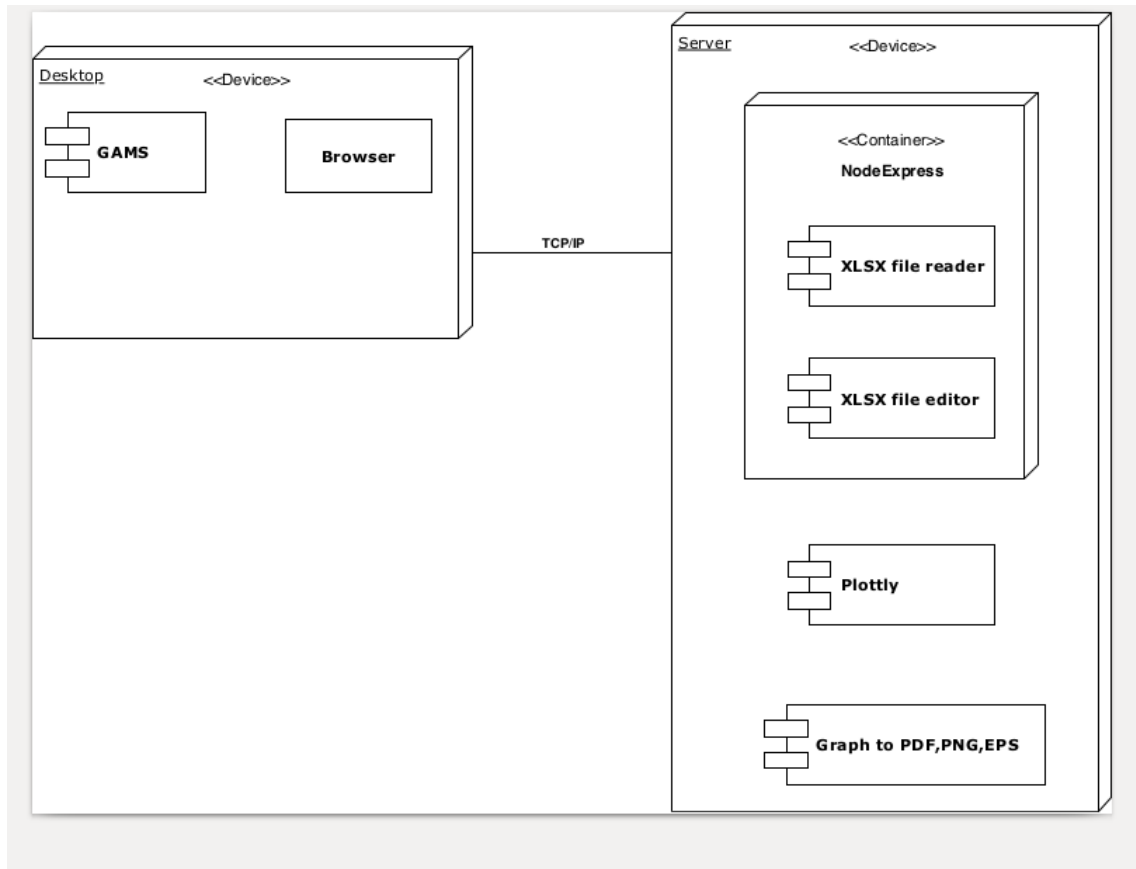
This is an overview of the system using a use-case diagram.



Component Diagram



Deployment Diagram



Activity Diagram

