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Projet d'analyse et de conception
3 ème année
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ECI

20 octobre 2019



TOLL MANAGER

Agile manifest

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Context

One toll company for motorways needs an application that can manage planning for employee, each employee belongs to a team that be managed by a team leader. The team leader is responsible to manage his teams and his members they've attributed by the human resources. The application is used mostly for team leader to manage his weeks planning, and by the human resources that give to team leader main teams and employees.

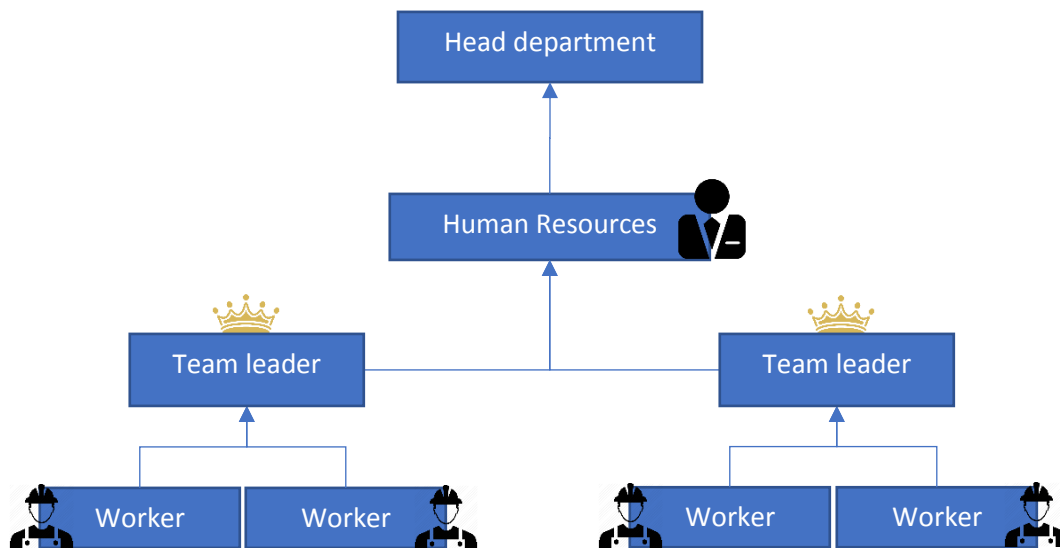


Figure 1 organizational chart

Application usage

- Worker
 - No access to the application
- Team leader
 - responsible to one or many teams
 - create, edit or remove sub teams
 - arrange employee to his sub team
 - create, edit or remove planning for each employee
 - cannot delete or edit employee
 - cannot remove employee from a “main team”
- Human ressources

- create, edit or remove employee
 - assign employee to team
 - Create, edit or remove team
 - create, edit or remove planning
- Head department
 - Head department have an access to do everything.

Toolkit

Language: Java 11

IDE : IntelliJ IDEA community version

Framework used:

- OpenjavaFX 13 (graphic component)
- Junit 4.12 (test framework)
- TestFx (graphic test framework)
- Hamcrest 2.1 (expression match , used for test)
- Mockito 3.0 (mock object for test)
- Cucumber 4.7 (behavior driven developpement)
- PostgresSqlDriver 42.2

Database : postgres

DB name : tollManagerV2

Planning

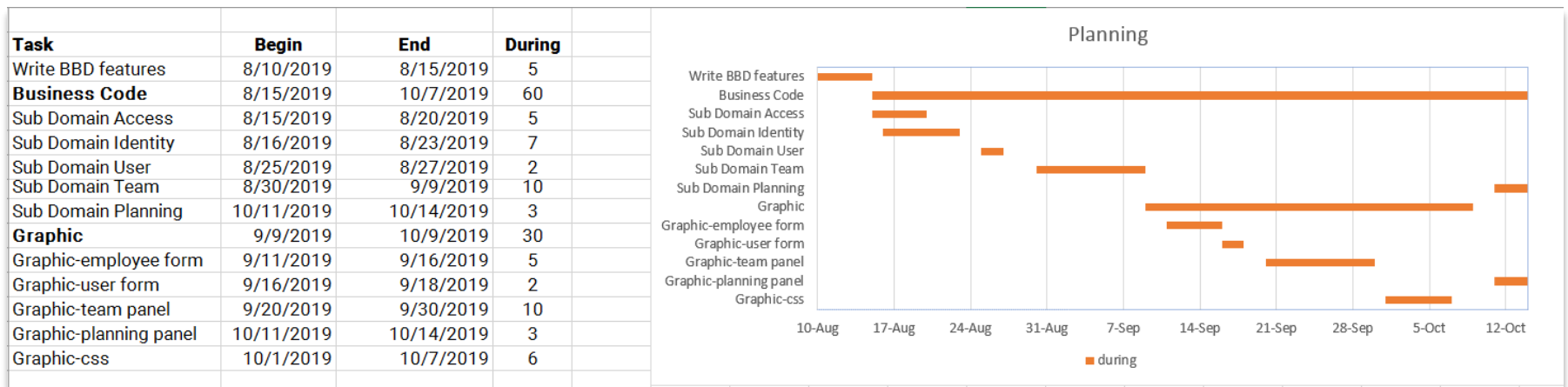


Figure 2dev pl

