University of Tartu

Faculty of Mathematics and Computer Science

Institute of Computer Science

Project   
Scenario

MTAT.03.229 Enterprise System Integration

Authors:

Ardi Aasmaa

Kadri Oluwagbemi

Kristjan Veskimäe (A20792)

Polad Mahmudov

Tural Ismayilov

Supervisor: Luciano García-Bañuelos

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# Introduction

Plant hiring is the equipment rental from specialized rental companies to construction companies. In this project, we model and implement the procurement process via interconnected enterprise systems in rental and building company, called respectively RentIt and BuildIt.

# Part I: BuildIt

In this first part, we present the models for building company domain.

## Domain model

First we present domain model in Figure 1.

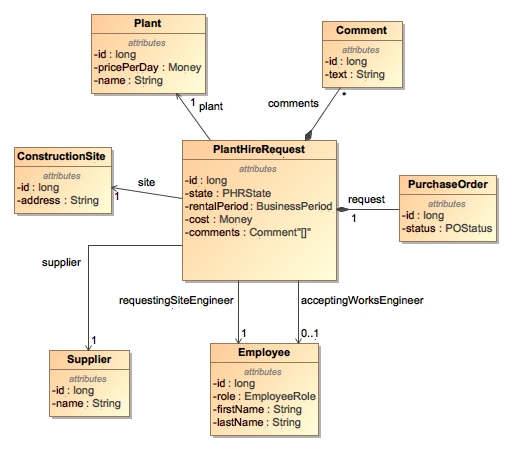


Figure BuildIt domain model

The corresponding data types for BuildIt are in Figure 2.

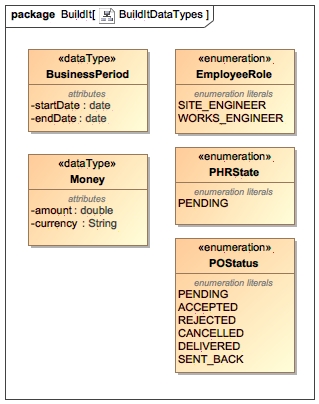


Figure BuildIt Data Types

## Resource model

Resource model helps designing RESTful applications. It is depicted in Figure 2 for BuildIt.

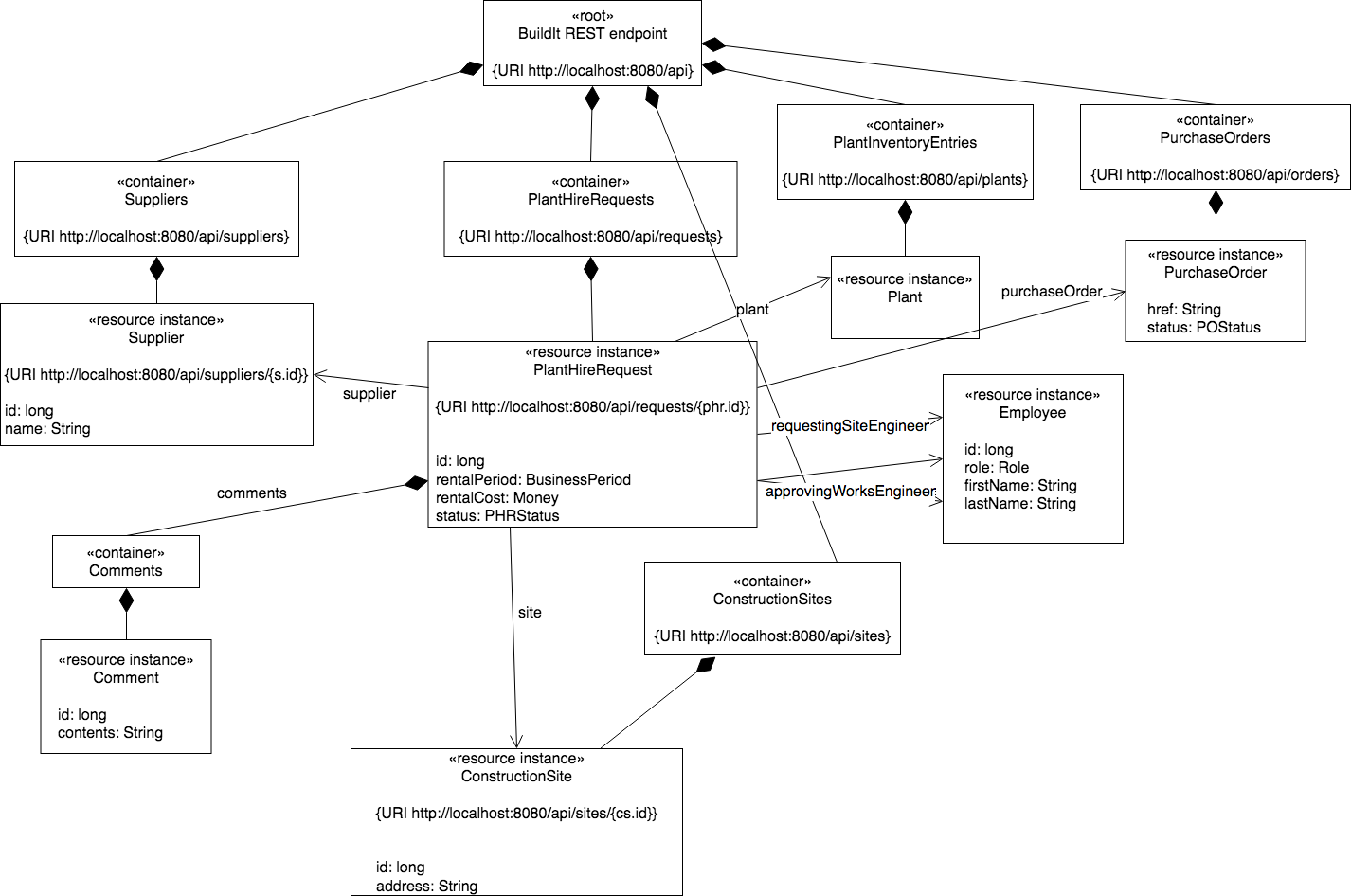


Figure BuildIt resource model

## State models

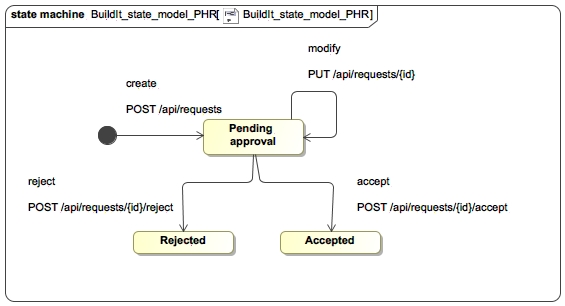


Figure State model for plant hire request

State model for plant hire request is depicted in Figure 4.

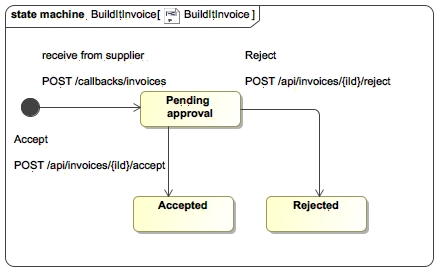


Figure State model for invoice

State model for invoice is depicted in Figure 5.

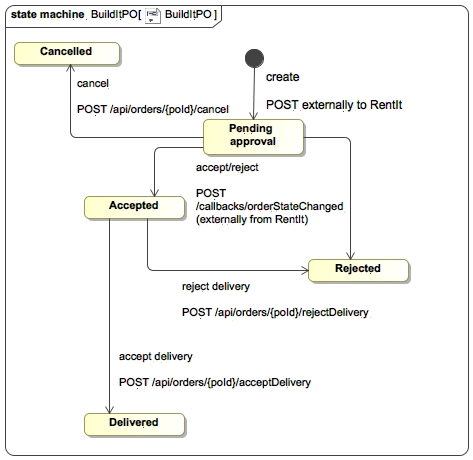


Figure State model for BuildIt Purchase Order

State model for purchase order is depicted in Figure 5.

## Apiary blueprint

The Apiary blueprint for BuildIt system is located at:

<https://buildit28.docs.apiary.io/>

# Part II: RentIt

TBD

# Summary

TBD