**Related work**

1. Widgets

2. Storing similar data. Repositories and usage

3. Communication via RESTful web services

**Background**

1. AutoMicrosite and components related

1.1 Mashup

1.2 RuleMl

1.3 Widgets

1.4 Usage

2. OpenAjax Metadata 1.0 specification

2.1 OpenAjax Metadata 1.0 metadata

2.2 OpenAjax Metadata 1.0 Widgets API

3. RESTful

3.1 RESTful web API

4 Repository pattern

**Solution architecture**

1. Process view

1.1 Web service API for using and modifying repository

2. Development view

2.1 Widgets storage level

2.2 Repository

2.3 Web service

3 Physical view

4. Widgets internal view

**Implementation**