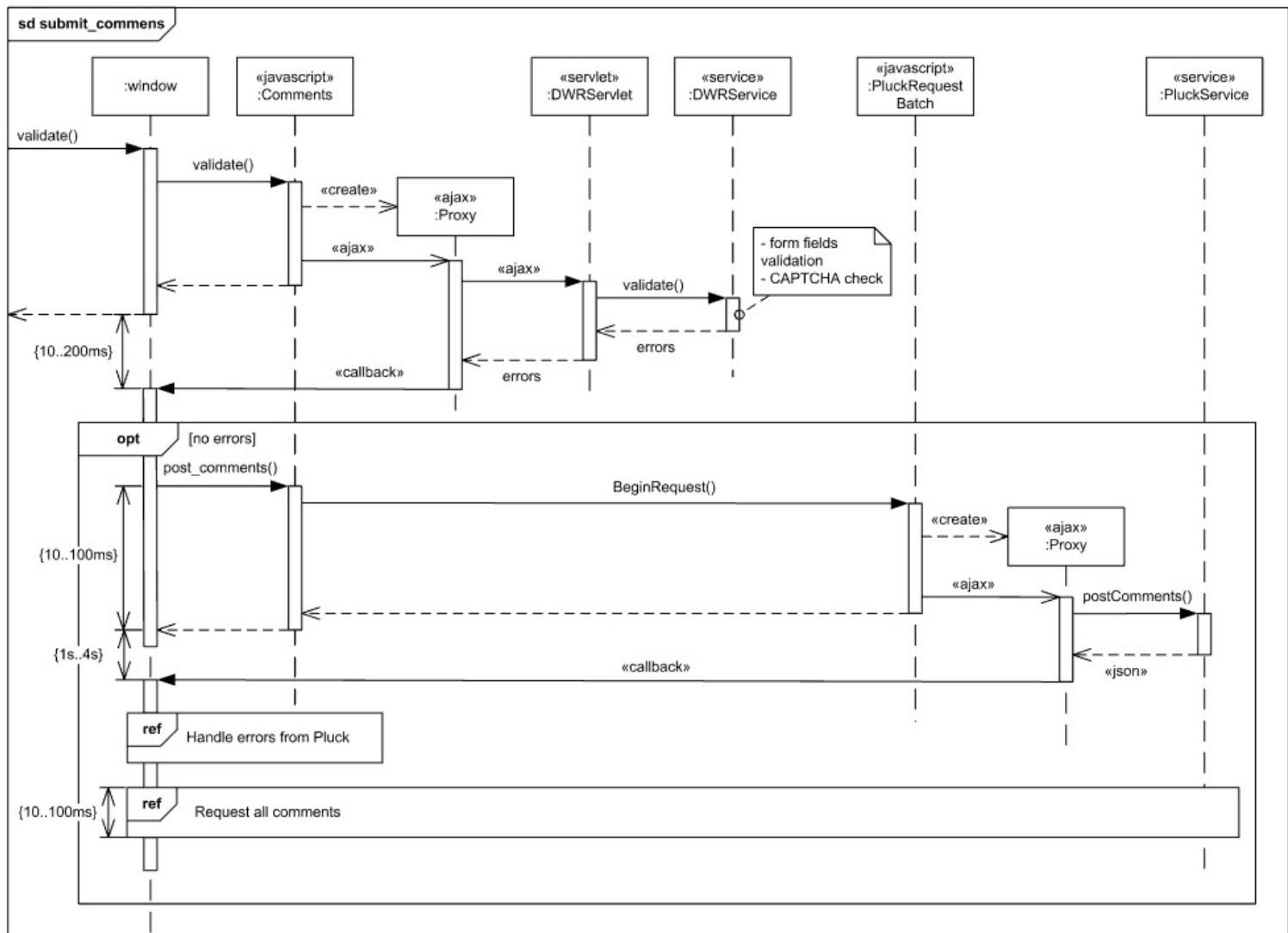# Submit Comments to Pluck

UML Sequence Diagram Example

An example of **sequence diagram** which shows how user comments on some article are submitted to **Pluck** using various **AJAX** technologies. (See example of **interaction overview diagram** with similar semantics at **Submit Comments to Pluck using DWR, AJAX, JSON**.)

Comments submitted by user are first validated by the web site hosting articles. **DWR** technology (**AJAX** for Java) is used to convert user comments HTML form data into Java object and possible validation errors - back into JavaScript callbacks for errors.

Comments that look Ok are submitted to Pluck server hosting all comments to all articles. **AJAX** technology is also used in this case both to submit the new comment as well as to get back the list of all recent comments (including the new one). **JSON** is used to get comments back.

Submit comments to Pluck using DWR, AJAX, JSON - UML sequence diagram example.

This diagram also shows some **duration constraints**. (Disclaimer: constraints shown are fictitious and not describing any real communication.) For example, according to the diagram callback waiting time for posted comment varies from 1 to 4 seconds. At the same time, requesting all posted comments takes only up to 100 msec.

Noticed a spelling error? Select the text using the mouse and press Ctrl + Enter.

by Kirill Fakhroutdinov

This document describes **UML 2.5** and is based on **OMG™ Unified Modeling Language™ (OMG UML®) 2.5** specification *[UML 2.5 FTF - Beta 1]*.

All UML diagrams were created in **Microsoft Visio** 2007-2016 using *UML 2.2 stencils*. You can send your comments and suggestions to