

JCache Datastore

About me

I'm Ahmet Fatih Camalti. I'm a senior Computer Science student at Turgut Ozal University, Turkey. I have experience in following programming languages: C/C++, Java, JavaScript, Python. I'm also familiar with some web frameworks like Codeigniter and ASP.Net.

I worked several part-time work, about Web and Android Development. In my second year at the university, I was involved in search engine project for children using Apache Lucene and Apache Nutch. I developed Sharif Judge Open Source project for university assignment system.

My hobbies are taking photographs and making time lapse films.

Background

The Apache Gora open source framework provides an in-memory data model and persistence for big data. Gora supports persisting to column stores, key value stores, document stores and RDBMSs, and analyzing the data with extensive [Apache Hadoop™ MapReduce](#) support.

Apache Gora Project doesn't support Hazelcast. I would like to develop JCache caching API and then Apache Gora will support Hazelcast module.

Design / description of work

Implementation of JCache datastore.

According to the [JSR-107](#), the JCache caching API is specified by the Java Community Process (JCP). JCache datastore should be implemented to provide usage of any JCache provider like Hazelcast

- JCache Caching API for Hazelcast Module
- Develop Java Community Process (JCP)

Results for the Apache community

Apache Gora Project will support systems which are using JCache data source like Hazelcast. I'm planning to commit this project on GitHub and i will answer questions on the site.

Deliverables

- Learning Apache Gora
- Implementation of JCache datastore
- Testing API
- Bug Fixing
- Documentation

Scheduling

On a general basis, this is how I intend to go through the project

April 22, 2016 - May 22, 2016 Community Bonding

- Learning Apache Gora Project
- Setup Apache Gora
- Learn JCache
- Run with existing data source

May 23, 2016 - June 20, 2016 Working Period (Week 1, 2, 3, 4)

- Implementation of JCache datastore
- Implementation API
- Testing API

June 20, 2016 – June 7, 2016 Midterm Evaluations (Week 5)

- Configuration tests

June 27, 2016 - August 15, 2016 Working Period (Week 6, 7, 8)

- Continue coding implementation
- Last Testing of API

August 15, 2016 - August 23, 2016 Working Period (Week 9)

- Writing Documentation

Other commitments

Here are the dates I won't be able to work much.

Final Exams Preparation: 30 May - 5 June

Final Exams: 6-17 June

Public Holiday for Ramadan Feast: 4-7 July

Community engagement

- Issue Tracker
- Mailing List
- Private Emails

Contact Information

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