United Nations **UNHCR/WFP** case study

JavaEE, JavaCard, JavaSE success story
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Agenda

- UN case study story.

- Project Requirements.

- Project overview.

- High level Architecture - Technical overview

- Problems to face.

- Solutions

- Java helped to achieve.

- Client shock

- JCP & EC roles adds a great support.

- Questions.

UN case study story

Build a system to help *refugees listed under* **United Nations**, to get their benefits (Cache (**UNHCR**) / Food (**WFP**)) through a secured cards wallets, controlled by both organisations and developed and operated by efinance.

Project requirements.

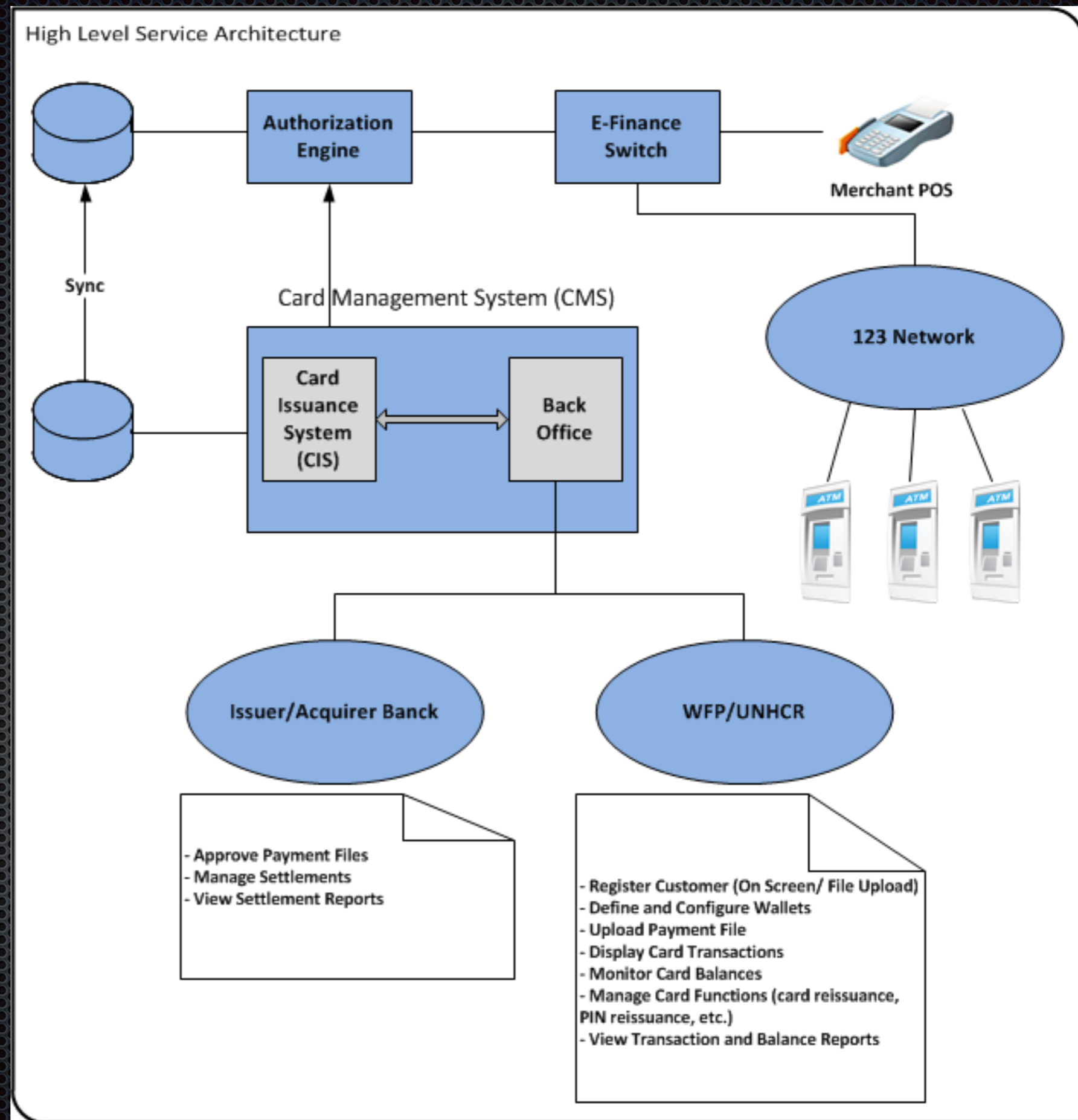We Just have the <u>tender document</u>, and 2 RFP MOM.

Project overview

We should provide the following services:

* Registration

* Card Issuance

* Payment

* POS/ATM Acquiring

* Card Management

* Settlement/

* Reconciliation

High level Architecture

High Level Service Architecture

Problem to face

* Huge System.

* **Time to Market.**

* Lack of detailed requirements.

* POS and programming.

* Card programming / lifecycle management.

* Should be costless.

Solutions

- Will use our experience in card management.

- Will depends on the tender as requirements.

- Use latest Java technologies.

  - **JavaEE 7** for fronted / backend services.

  - **JavaCard** for personalising the cards.

  - Open source tools and ecosystems product.

Java helped to Achieve

* JavaEE 7 provided a strong and robust backend.

* Less coding and more productivity.

* New added JSR (JSON, Batch Applications and Concurrency APIs helped a lot).

* Uses PrimeFaces plugin that allow to generate CRUD pages efficiently without writing any additional code.

* Uses JSF PrimeFaces as front-end with html5 enhancements.

Cont. **Java** helped to <u>Achieve</u>

- Java SE 7 NIO.2 helped strongly for files managements and notifications.

- Uses Netbeans 7.4 IDE for development.

- Uses JavaCard technology for card management.

- Ease of integrations.

Client *shock*

- Requested for the meeting to tell us that we win the tender.

- We should begin a set of meetings for requirements gathering to begun development.

- I have raised a very strong Note

   "***We Already finished the development of all your system requirements, and just would like to demo it, to get the feedback and changes needed :)***".

- Here was the shock to the client.

JCP & **EC** roles adds a great support.

- JCP EC role helped to get customer reputation and trust.

    - By relationship, and annual award winning.

- Makes my company recognised that the participation get a real project, not only knowing or steering the technology.

- Now in every meeting with any Minister should show that the company has candidate as JCP, Community participant, and EC member and steering the technology world wide with Other technology leaders.

Thanks for listening

Questions