

Expert-System-Based Interpretation of Hepatitis Serology Test Results as App Store iPhone Application

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Introduction

Hepaxpert

- Web-based expert system (telemedicine, in the sense of tele-interpretation)
- Expert-based textual interpretive analysis of hepatitis A, B, and C serology test results

iPhone Client

- Largest platform of both general mobile and medical mobile applications
 - Planned: Iterative development based on customer feedback on technical issues and medical content
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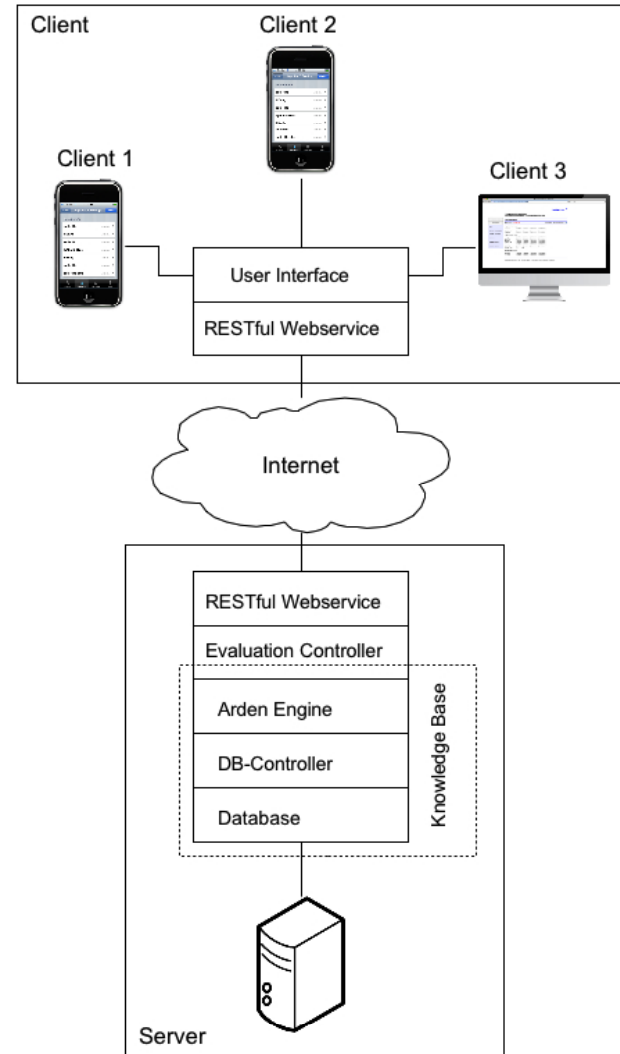
System architecture

Client

- iPhone
- Web Browser
- Application

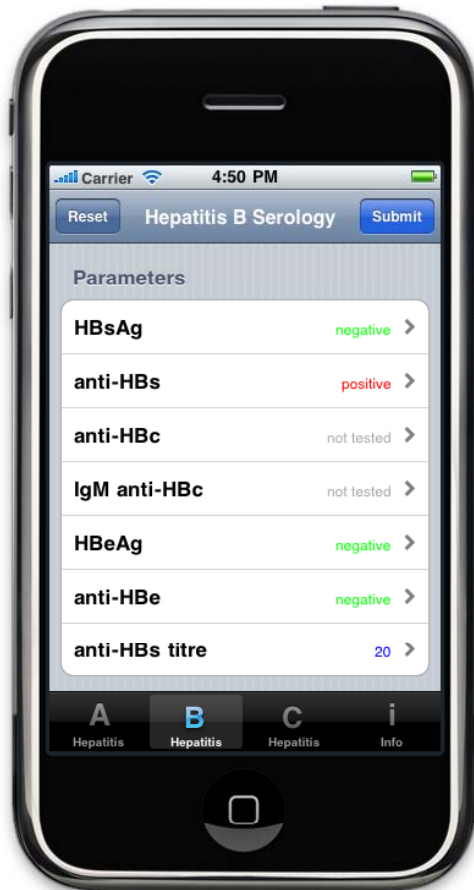
Server

- Java EE 6
- RESTful Webservice
- Knowledge Base
 - Arden Syntax rule engine
 - Database
 - Medical Logical Modules

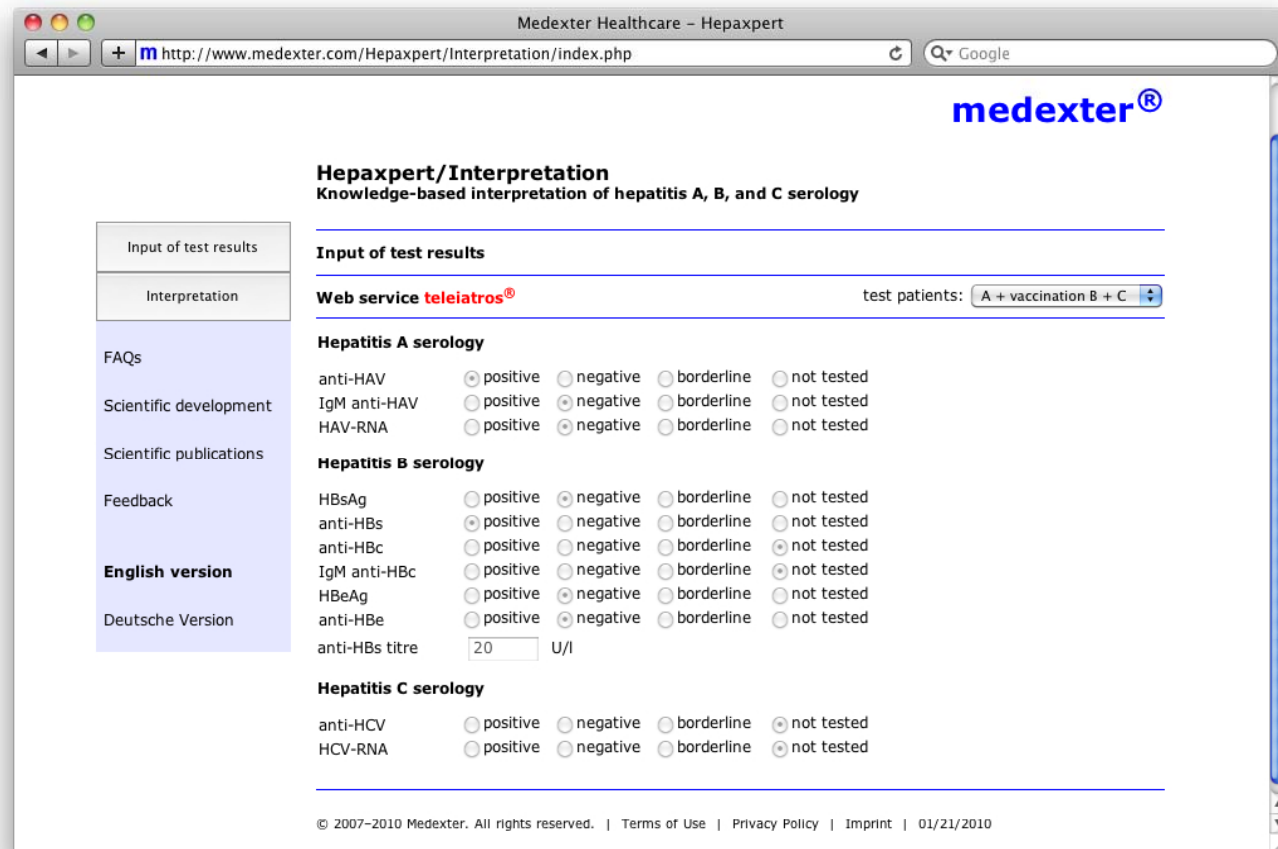


Two clients:

Mobile Client

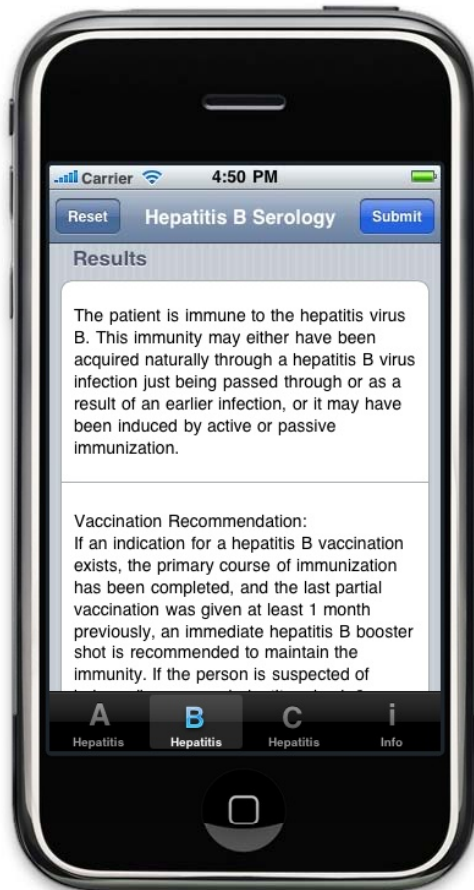


Static Client



Results: Two systems

Mobile Client



Static Client

