

The Versatility of SMART on FHIR

Quintonn Rothmann - Lyniate



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Who am I?

- Quintonn Rothmann
- Interoperability Developer
 - CoCreation Lab – Lyniate
- .Net/C#, Java, Rhapsody
- HTML, CSS, JavaScript



Agenda

- Presentation Goal
- Assumptions
- Key Concepts
- Basic Web App
- Mobile App

Presentation Goal

- Demonstrate benefits of SMART on FHIR
- Single Code Base
- Multiple EHRs
- Multiple platforms

Assumptions

- Decent understanding of FHIR
- Basic understanding of SMART on FHIR
- GitHub – optional
- Basic understanding of HTML/CSS/JavaScript

Key Concepts

- SMART App Launch Framework
- Apache Cordova

Basic Web App

- Basic Queue Management System
- Runs from GitHub/GitLab pages

Workflow

- Launch App
- Select EHR
- Login
- See Queue Status

Components

- Web Server (Rhapsody)
- Main App
- Patient Launch Page (HTML)
- Redirect Page

EHR Registration & Authentication

- Cerner
- Smart Health IT

Web App Demo

1. Default Demo
2. Add additional EHR

Mobile App

- Same code
- Create Cordova app
- Copy code
- Deploy

Mobile App Demo

Contact

- During DevDays, you can find / reach me here:
 - Via Whova App – Speaker's Gallery
 - Email: quintonn.Rothmann@lyniate.com

Q&A

GitHub repository: <https://github.com/quintonn/ExampleSmartApp>

Cerner Tutorial: <https://engineering.cerner.com/smart-on-fhir-tutorial/>

Cerner App Portal: <https://code.cerner.com/developer/smart-on-fhir/apps>

Smart Health App Launcher: <https://launch.smarthealthit.org/index.html>

Smart Health Patient Id: 579423cd-3384-4e7d-bf19-295a26d27524

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