MICHIGAN STATE
U N I V E R S I T Y

Project Plan
My Conference Room

The Capstone Experience

Team GM

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From Students…
…to Professionals

Project Overview

- Mobile Conference Room Scheduler
  - For "on-the-fly" meetings
- Interface with Microsoft Exchange Server 2013
- QR Code Scanning

Functional Specifications

- Conference room availability and reservations

- Nearby conference room options

- Conference room amenities and capacities

- Complete mobility

Design Specifications

- Easily accessible from mobile phone

- Large buttons and text

- Simple, straightforward UI

- Compatible with various screen sizes

- Non-specific to Android, iOS or Blackberry

Screen Mockup: Landing Page

Screen Mockup: Confirmation

Screen Mockup: Search Nearby
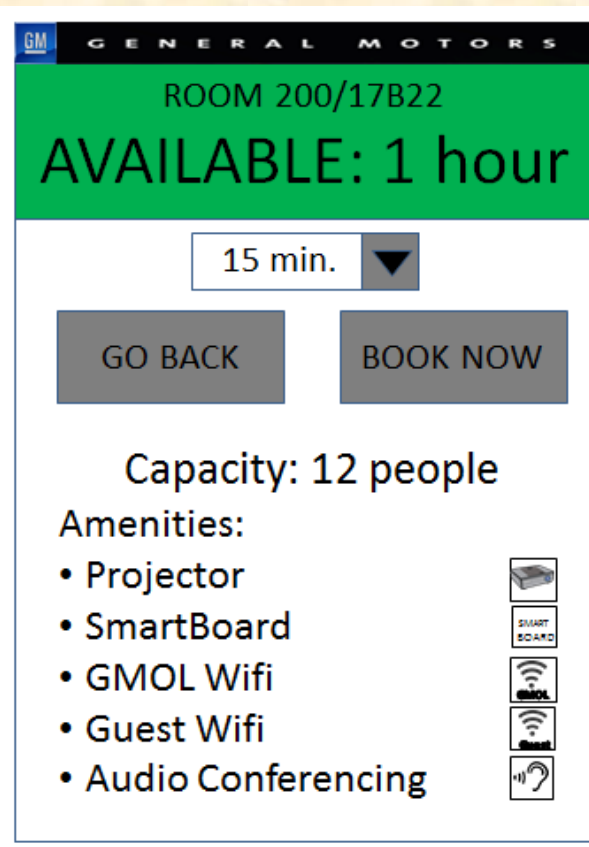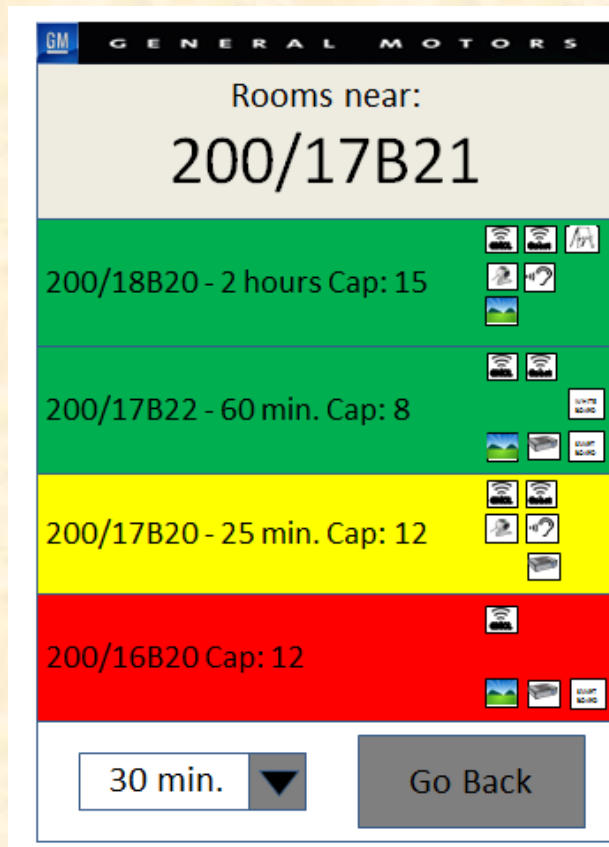
Technical Specifications

- QR code leads to mobile website
- Website hosted on Windows Server 2012
  - Hosted using Internet Information Services 7
- Server hosts Microsoft Exchange 2013
- User requests on the mobile site query Exchange Server
  - Calendar information for conference rooms

System Architecture
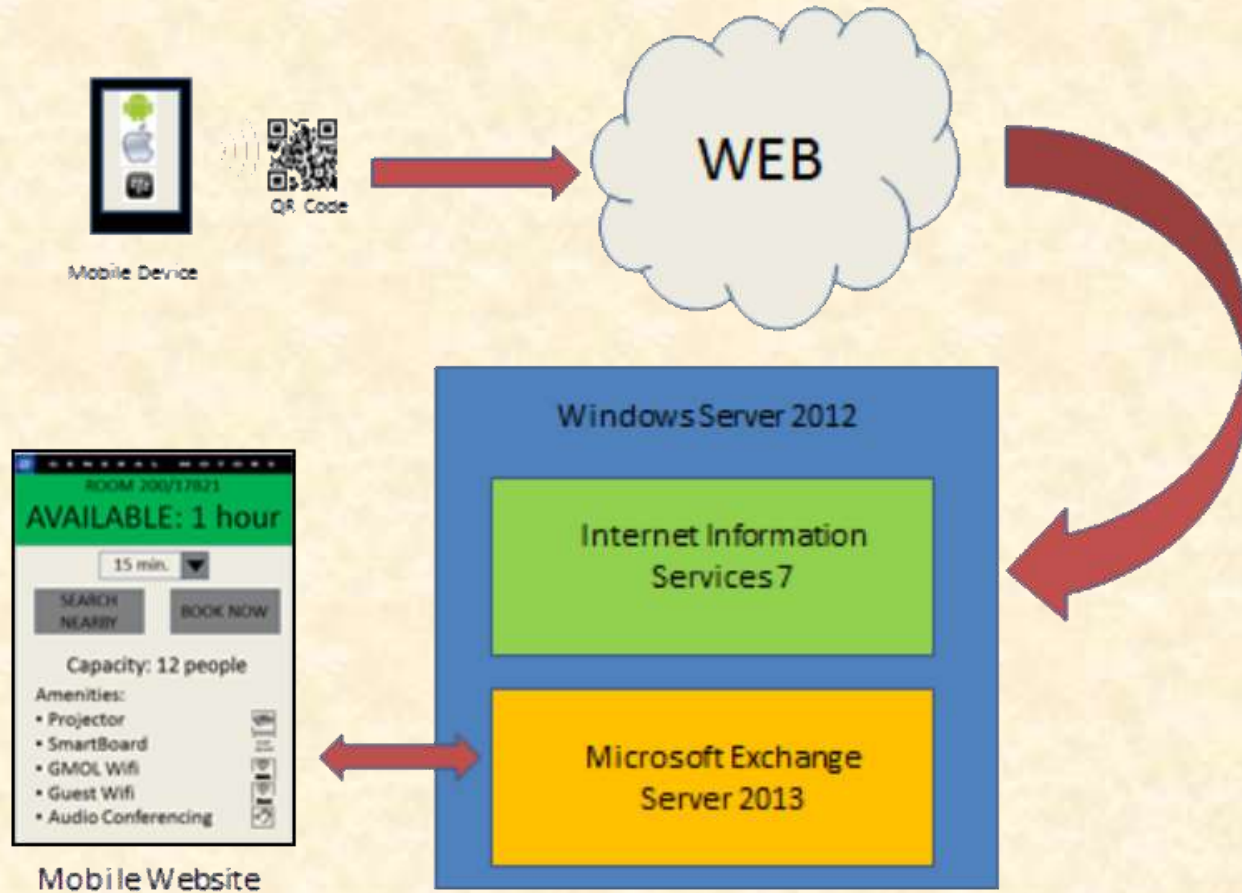
System Components

- Hardware Platforms
  - Android/iOS/Blackberry
  - Windows Server 2012
- Software Platforms / Technologies
  - Mobile Web Browser
  - Barcode Scanning App
  - Microsoft Exchange Server 2013
  - HTML5 and C#
  - Internet Information Services 7
  - Visual Studio Ultimate 2012
  - Web Deploy
  - Active Directory
  - Team Foundation Server

Testing

- Team Testing
  - Generating QR codes
  - Developing conference room schedules
  - Performance and reliability
- Customer Testing
  - On site testing
  - Notes on usability
  - Feedback

Risks

- Interfacing the mobile site with Exchange
  - How to program and interact with an Exchange Server
  - Getting familiar with the Outlook Web Interface through online tutorials
- Tailoring the Outlook Web App to a Mobile Phone
  - Specifically designing the app to be run in a mobile environment
  - Documentation found on deploying Web Apps from Windows Server 2012
- Mobile Web (HTML5)
  - Learning HTML
  - W3Schools "Try It Yourself"