

MICHIGAN STATE
UNIVERSITY

Project Plan

ITPro Company Portal

The Capstone Experience

Team Microsoft

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From Students...
...to Professionals

Functional Specifications

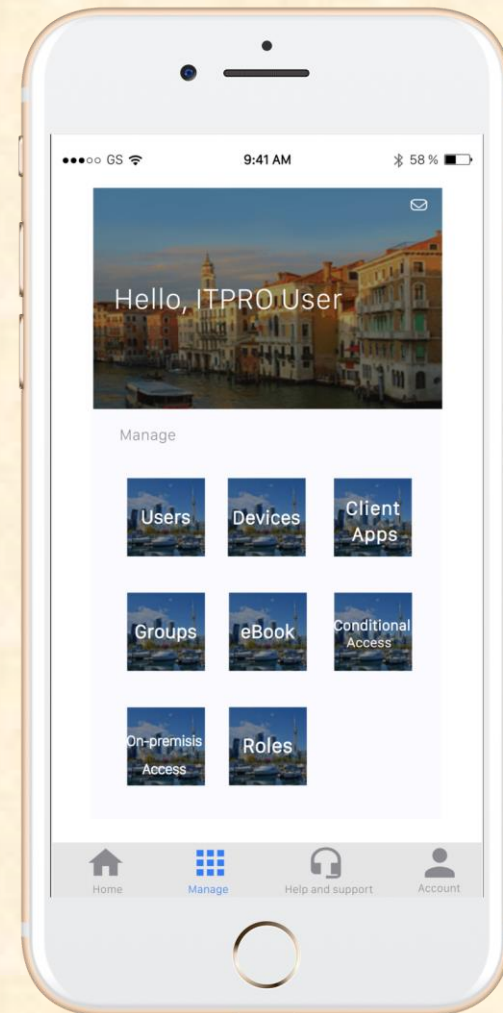
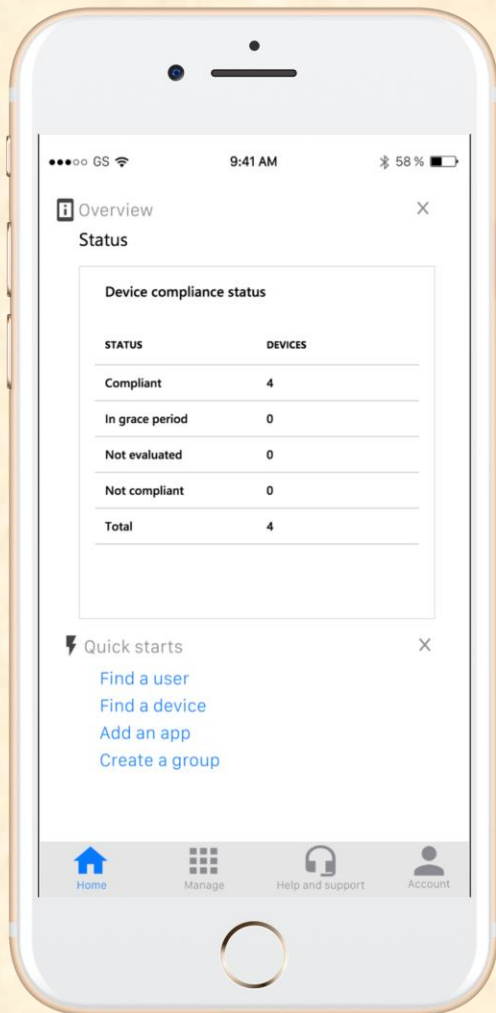
- Today, ITPro administrators need to use a complex web portal to manage employee devices
- There is already an Intune mobile app, but it only handles personal-level tasks for a user
 - Currently, the app view for the administrators and general employees is entirely the same
- Our ITPro-centric app will provide administrators the flexibility to enroll devices, run security audits, and troubleshoot issues while away from their desk and sitting on a beach

Design Specifications

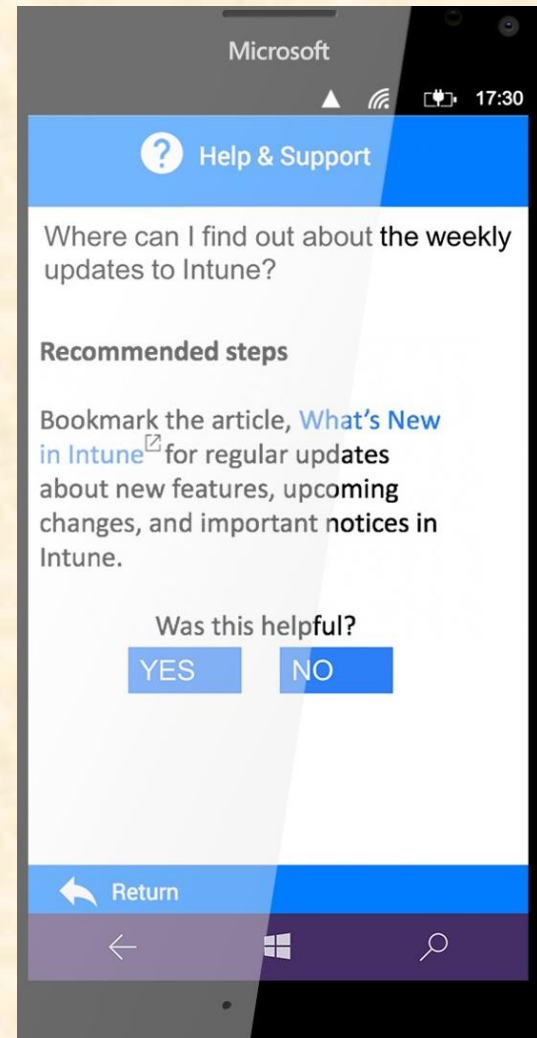
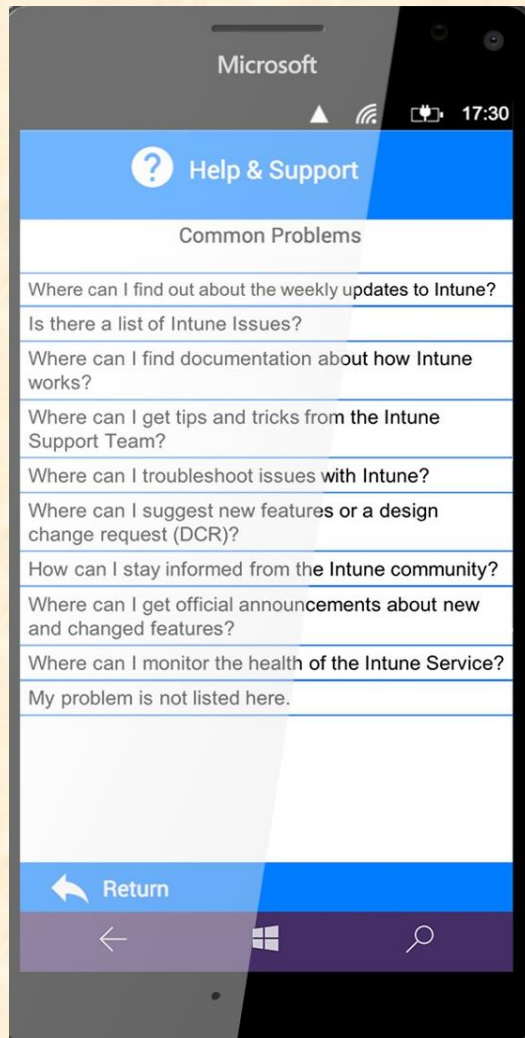
- Simple and easy navigation
- Functionalities available on the app
 - Home
 - Users
 - Devices
 - Groups
 - Help & Support
 - Troubleshoot
- Available in Apple App Store, Google Play Store, and Microsoft Store



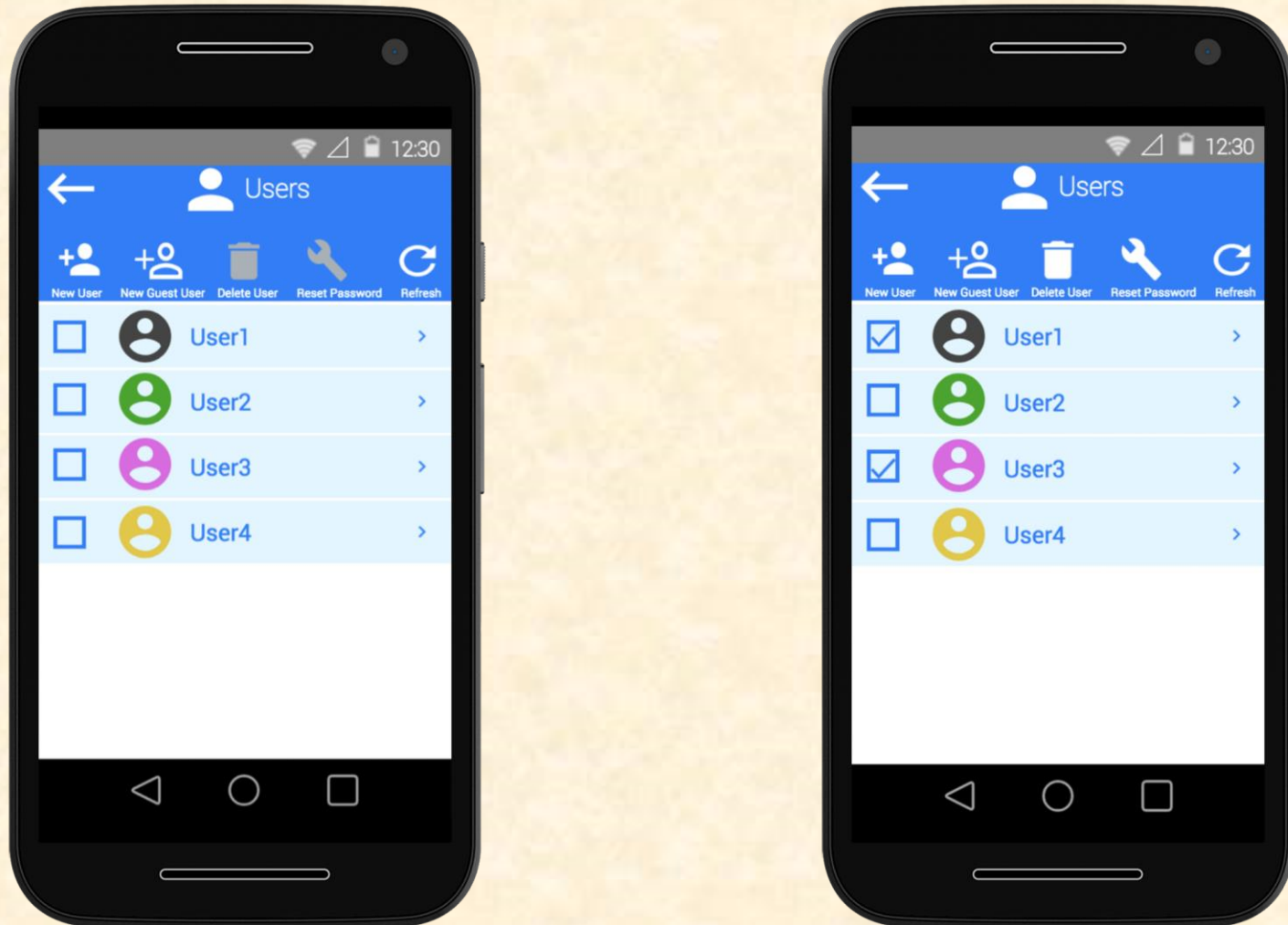
Screen Mockup: Home- iOS



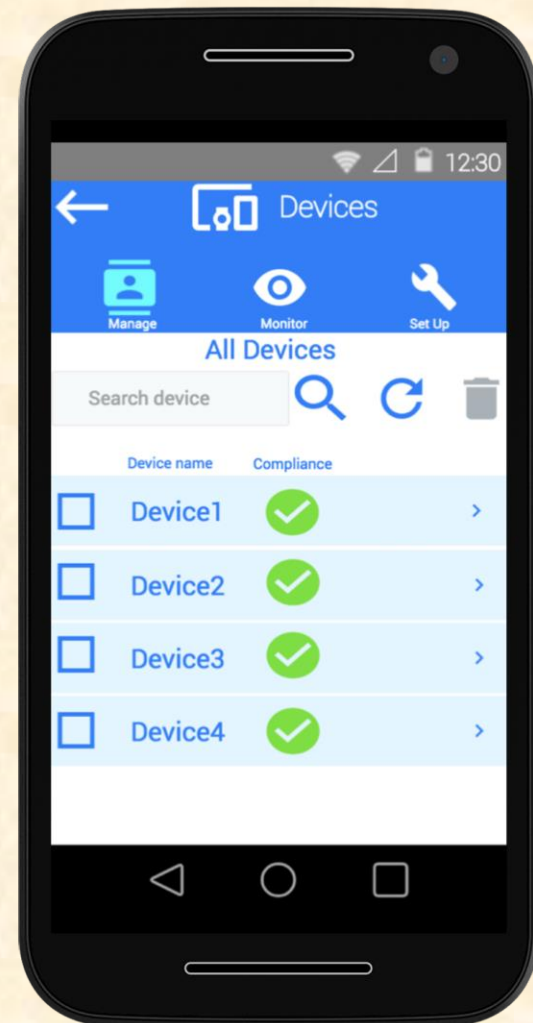
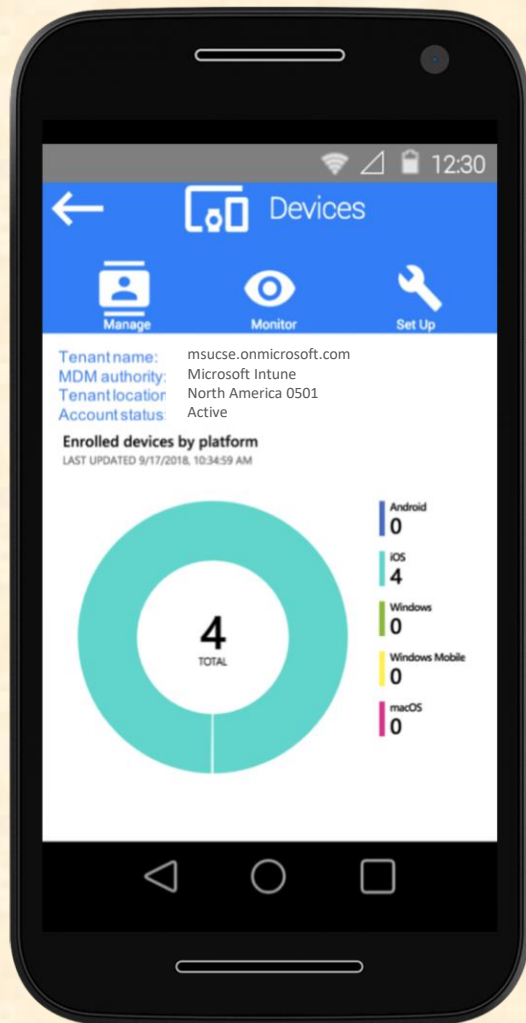
Screen Mockup: Help & Support- UWP



Screen Mockup: Users- Android



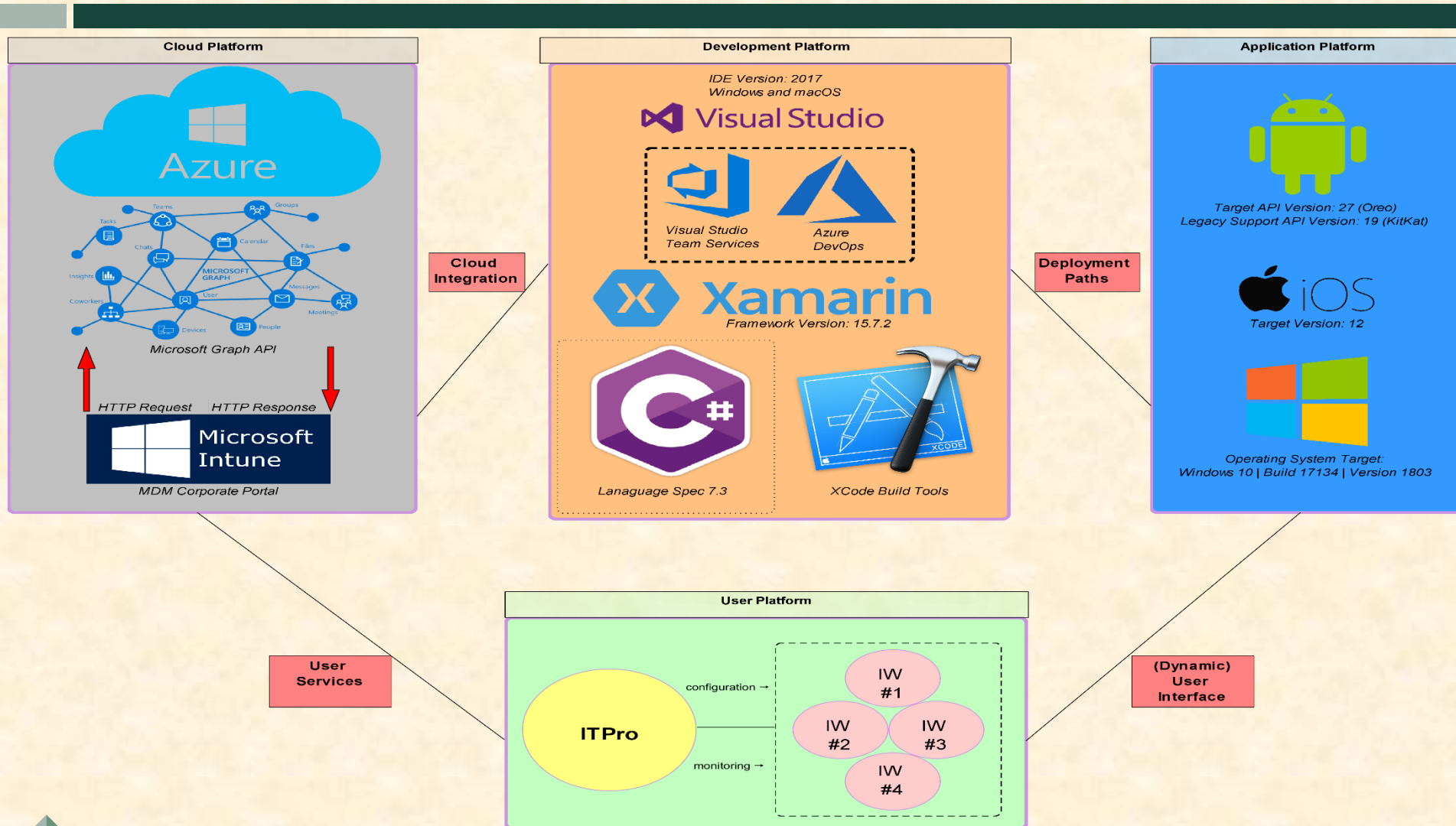
Screen Mockup: Devices- Android



Technical Specifications

- Microsoft Azure Cloud
 - 2nd largest cloud platform across the whole internet
- Microsoft Graph API
 - Unified API to access all of Microsoft's cloud services
- Microsoft Intune Portal
 - Our mobile application will use the Graph API to load/save settings within the Intune web portal

System Architecture



System Components

- Deployment Platforms
 - Google's Android OS
 - Apple's iOS
 - Microsoft's Universal Windows Platform
- Development Technologies
 - C# Language / Xamarin Framework
 - Visual Studio IDE / VSTS VC
 - XCode Build Tools



Risks

- Microsoft Graph API [Hard]
 - Integrating the complex API with our system
 - Work with client, review example code and documentation
- Intune Portal and Business Domain [Medium]
 - There are a lot of advanced features in the Intune/Azure portal
 - Focus on use-cases and develop functionality from bottom-to-top
- Mobile App Design [Medium]
 - Limited resources for designing iOS apps in Xamarin
 - Get some assistance from our clients, review the information that is out there
- Programming in C# [Low]
 - First time programming in C#
 - Watch tutorial videos and read books for reference



Questions?

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