

Using Mobile Devices To Access Data And Systems

The Experience At The University Of Queensland's School Of Medicine

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Relevance (So what?)

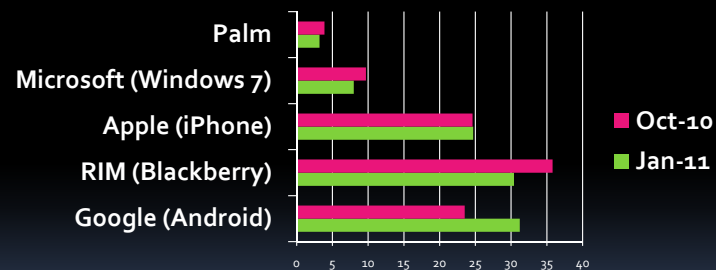
- The student experience
- Widening access and increasing participation
- Driving IT value
- Identity and access management

The Challenge

- MBBS Guide
- Hierarchical structure
- Primarily display of text
- Users to make frequent minor changes to content

Issues

- *Should we lock into one platform or should we develop cross-platform?*



Top Smartphone Platforms
 3 Month Avg. Ending Jan. 2011 vs. 3 Month Avg. Ending Oct. 2010
 Total U.S. Mobile Subscribers Ages 13+ Source: comScore MobiLens

Issues

- *Should we develop native applications for devices?*



Or



Issues

- *Should we utilize the commercial opportunities offered by established distribution channels?*

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Decision

- Mobile browser based
- Device agnostic
- Non-commercial
- School specific
- User maintainable content
- Single central repository

Technical Approach

- Umbraco CMS
- CSS
- Single URL
- Authentication

Mobile Interface

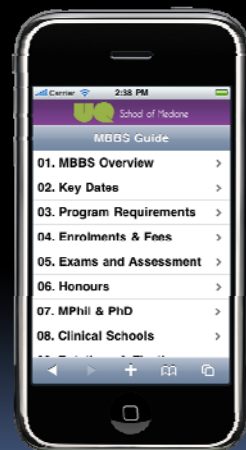


iPhone

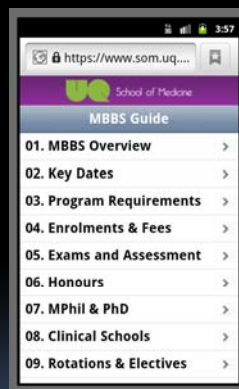


Android

Mobile Interface

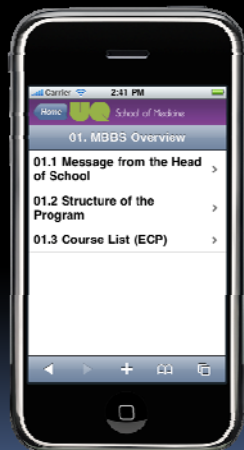


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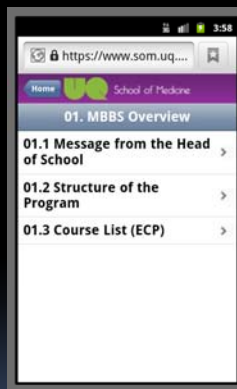


Android

Mobile Interface

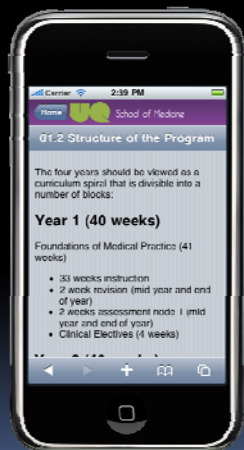


iPhone

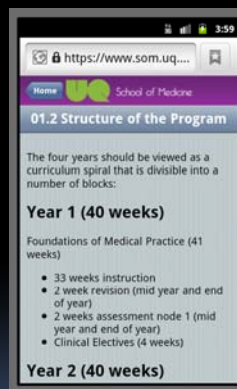


Android

Mobile Interface

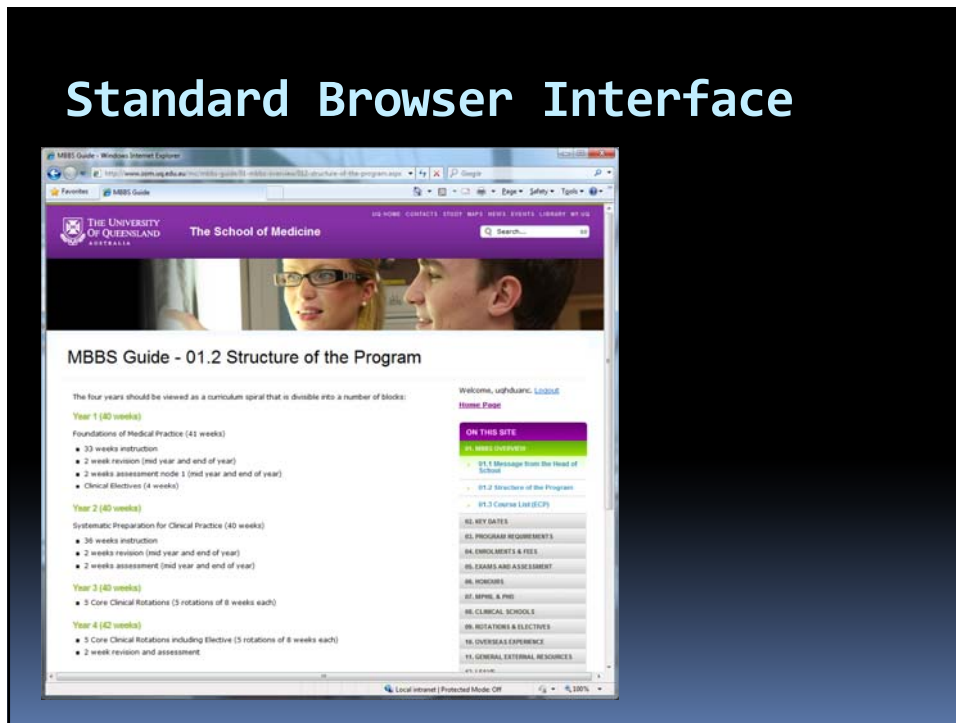


iPhone

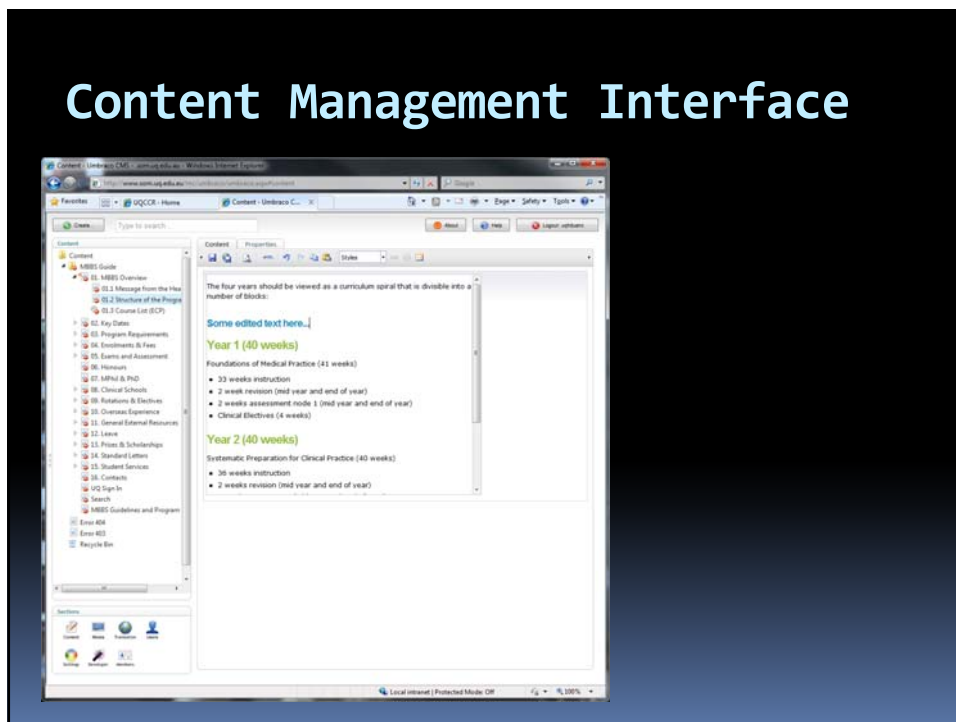


Android

Standard Browser Interface



Content Management Interface



Reflections

- Sexy technology
- High level technical skills
- Resist pressure

Key Success Drivers

- Scalability
- Consistency

Future Development

- Content Display
 - Clinical Handbooks for years 1 and 2
- Interactive Systems
 - Student attendance sheets (for tutors)
 - Student Logs

References

- <http://umbraco.org>
- <http://www.csszengarden.com/>

Questions or comments?

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