Introduction to Mobile App Platforms
<table>
<thead>
<tr>
<th>Mobile</th>
<th>Desktop</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lightweight</td>
<td>Many features</td>
</tr>
<tr>
<td>Targets ARM</td>
<td>Targets x85</td>
</tr>
<tr>
<td>Less powerful</td>
<td>More powerful</td>
</tr>
<tr>
<td>More concerned with battery life</td>
<td>More concerned with power</td>
</tr>
</tbody>
</table>
Let's look at some mobile OS's
Symbian

Developed by the Symbian Foundation

Used to be the largest market share

Nokia is abandoning Symbian for smartphones and only using it for feature phones

Phased out by 2016
Nokia N8
Bada

Developed by Samsung

Samsung plans to convert their feature phones to Bada making them smart phones

Samsung still ships many Android smartphones
webOS

Launched by Palm, in 2009
Bought by HP in 2010
webOS hardware was discontinued in August 2011
Possibly will make its way into printers and HP PCs
HP announced that it will open source webOS
Palm Pre running webOS
Blackberry

Developed by Research In Motion (RIM)

Originally designed for business use

Highly Secure

Integration with corporate network
  Email, contacts, network, etc.

Switching to using QNX OS instead of the longstanding Blackberry OS
Blackberry Playbook running QNX
Windows Phone

Developed by Microsoft

Replaced Windows Mobile in 2010

New UI (Metro)

Integration with Microsoft services

Zune, Bing, SkyDrive, etc.
Windows Mobile

Windows Phone
Android

Developed by a small startup, Android Inc.
Purchased by Google in 2005
Linux derived
Open source and part of the Open Handset Alliance
Developers have almost complete control
Galaxy Nexus running Android 4.0.1
iOS

Developed by Apple Inc.

Runs iPhones, iPads, iPod Touches, and Apple TV

Based on the OSX Kernel
iOS 5
Mobile OS Shipments

- Android: 56.1%
- iOS: 22.9%
- Symbian: 8.6%
- RIM: 6.9%
- Bada: 2.7%
- Windows Phone: 1.9%
- Other: 0.9%
### Top Purchased Mobile Apps of 2011

<table>
<thead>
<tr>
<th>Ranking</th>
<th>Mobile App</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Angry Birds</td>
</tr>
<tr>
<td>2</td>
<td>Facebook</td>
</tr>
<tr>
<td>3</td>
<td>Skype</td>
</tr>
<tr>
<td>4</td>
<td>Angry Birds Rio</td>
</tr>
<tr>
<td>5</td>
<td>Google Maps</td>
</tr>
<tr>
<td>6</td>
<td>iBooks</td>
</tr>
<tr>
<td>7</td>
<td>Angry Birds Seasons</td>
</tr>
<tr>
<td>8</td>
<td>Fruit Ninja</td>
</tr>
<tr>
<td>9</td>
<td>Talking Tom</td>
</tr>
<tr>
<td>10</td>
<td>Twitter</td>
</tr>
</tbody>
</table>