LYRASIS Catalyst Fund & UNC Charlotte
Library & Internet of Things (IoT)

Goal(s)
• Aid patrons in discovery of library resources and services.
  – Develop library system IoT API integrations
  – Deploy IoT devices within test environment
  – Conduct Usability Test
  – Share Actions and Hardware/Software Kit Recommendations
  – Deliver White Paper & CNI Presentation

Test Case – Group Study Reservations

Usability Study Findings
  – 4 Participants
  – One Task – Reserve a room
  – Wanted more options
  – Question/Response (1 at a time)
  – Questions about noise interference
  – Want multiple phrases per task
  – Would like swipe/tap confirmation
  – Overall loved concept
  – Use on personal devices
Catalyst Fund

- IoT Devices: Amazon Alexa, Google Home, Apple Homepod, Raspberry Pi
- Training
- Holosonic Audio Spotlight
- Usability Testing
- Whitepaper
- Presentation
- Actions
- Kit Recommendation(s)

---

TIMELINE

<table>
<thead>
<tr>
<th>2017</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment Ordered</td>
<td>Development Begins</td>
</tr>
</tbody>
</table>

---

<table>
<thead>
<tr>
<th>March</th>
<th>April</th>
<th>May</th>
</tr>
</thead>
<tbody>
<tr>
<td>Usability Testing</td>
<td>Revisions Made</td>
<td></td>
</tr>
</tbody>
</table>

---
• Actions Available
• White Paper Available (including Usability Study)
• Hardware/Software Kit Recommendations

CNI Presentation