<table>
<thead>
<tr>
<th>Module</th>
<th>Commitment</th>
<th>Goal</th>
<th>Stretch Goal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signal Processing</td>
<td>- Sampled digital readings displayed on screen (no processing)</td>
<td>- Smoothed digital readings calculated with local maxima detection implemented for peak detection (e.g. assume peaks occur at every sample that is a maximum over a window of $n$ samples)</td>
<td>- Smoothed digital readings calculated with advanced processing implemented (e.g. local maxima calculation in addition to advanced filters to smooth signal) - Detects abnormalities in heart beat, sends to display for further analysis</td>
</tr>
<tr>
<td>Display</td>
<td>- Display current status of FSM - Display oxygen saturation waveform</td>
<td>- Display monochrome logo and icons - Display custom font - Render colorful interface</td>
<td>- Longer term data view with averaged heart rates - Animated icons / waveform pre-fade</td>
</tr>
<tr>
<td>Audio</td>
<td>- Outputs a sine wave tone briefly during heartbeat peak - Outputs a sine wave tone in error state</td>
<td>- Outputs sampled sounds instead of sine wave tones - Outputs periodic heart rate audio announcer feature</td>
<td>- Volume control with user buttons</td>
</tr>
</tbody>
</table>