POST OPERATIVE PAIN TRACKING APPLICATION
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**PROBLEM:**
- Prescription Non-Adherence
- Lack of post-operative monitoring

**DESIGN INPUTS**
<table>
<thead>
<tr>
<th>Collect Information on medication adherence, pain level, anxiety + side effects</th>
<th>Create a database of information for physician</th>
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**Objective:** Accurately track prescription medication, pain and anxiety in patients and provide data to physicians.

**TESTING AND VERIFICATION**
1. System receives pain location and rating, anxiety level, medication name and dosage, and side effects
2. Physician can view patient information
3. System stores data long term, displays data in figures, and can be exported

**SOLUTION**

**INNOVATION:** Patient can log into mobile application, based on visual prompts, check pain levels and drug dosage, which allows physician to actively monitor recovery and track prescription consumption.

**IMPACT:** The designed application will allow physician to increase their monitoring and intervention increasing patient satisfaction with care regimen.

**FUTURE PLAN:**
- Release for the Apple App Store and Google Play Store
- Pair application with existing opioid contracts in hospital setting

**66% Non-Adherent**

**33% Adherent**