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           ┌─────────────────────────┐
           │   Requirement Analysis  │
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           ┌─────────────────────────┐
           │      Test Planning      │
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           ┌─────────────────────────┐
           │     Test Case Design    │
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           ┌─────────────────────────┐
           │    Environment Setup    │
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           ┌─────────────────────────┐
           │  Test Execution (in Sprints)  │
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           ┌─────────────────────────┐
           │ Defect Reporting & Retesting │
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           ┌─────────────────────────┐
           │  Sprint Review & Closure │
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           │    Regression Testing   │
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           │    Final Test Closure   │
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1. **Requirement Analysis**

   Understand what needs to be tested based on the Agile user stories.

2. **Test Planning**

   Plan the testing activities, tools, timelines, and responsibilities.

3. **Test Case Design**

   Write test cases based on the user stories and acceptance criteria.

4. **Environment Setup**

   Prepare test devices, emulators, or tools to simulate different battery scenarios.

5. **Test Execution (in Sprints)**

   Run the test cases while development is ongoing in the sprint.

6. **Defect Reporting & Retesting**

   Log bugs, verify once fixed, and test again.

7. **Sprint Review & Closure**

   Participate in sprint review and ensure testing goals are met.

8. **Regression Testing**
   Re-run key tests to make sure new changes didn't break existing features.
9. **Final Test Closure**
   Prepare test summary report, log lessons learned, and close testing.