

# Testing React Components

---

## GETTING STARTED



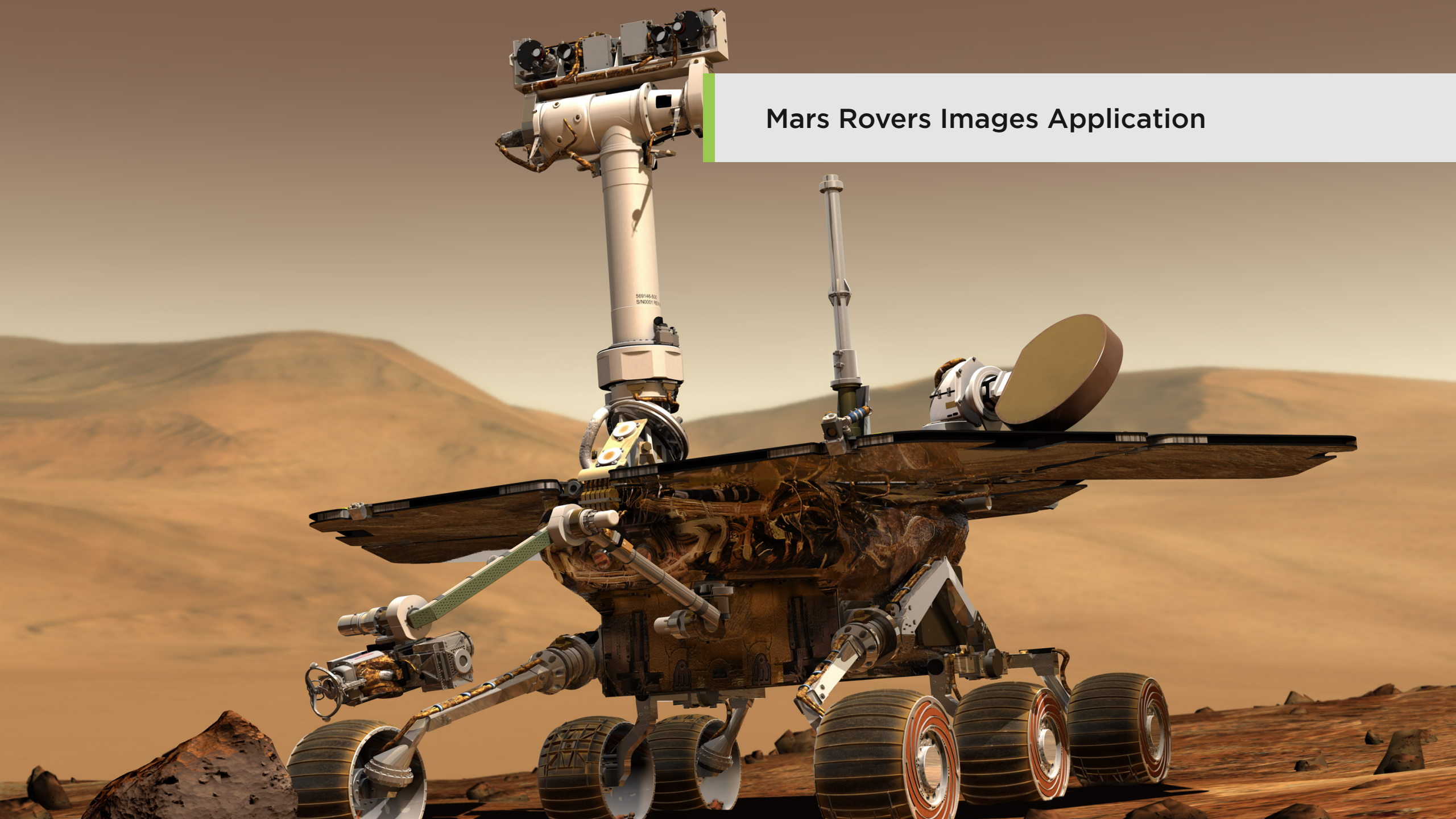
**Liam McLennan**

PRODUCT DELIVERY CONSULTANT

@liammclennan <https://withouttheloop.com>



## Mars Rovers Images Application



# Overview



Why we test

Testing too much

A first React component test

Visual Verification





# Why We Test

To understand the difference between good testing and bad testing we must understand why we test



# Why We Test

Conformance with  
the design

Design correctness

Document and  
verify for the future





React components

React component tests test user interface logic

Rest of the application



# Creating an Application and Test Environment

---



# Demo



Create a new application with a working  
React testing configuration

Experiment with passing and failing tests





Principle:  
Never trust a test until you  
have seen it fail



# Testing Too Much



Tests not needed



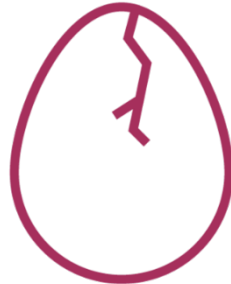
Take time



Add complexity



Slows feedback loop



False negatives



Refactoring friction



# Visual Verification

---



# Visual Verification

## Isolate Test Target

Isolation works for user interface components too

## Test Results

Avoid testing implementation



# Demo



Storybook for user interface component isolation



# Summary



Testing considerations

Test setup

Component isolation and verification

