

# Finishing the App

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# Introduction



**Added authentication, Blog, and Cart**

**Testing**

**Build**

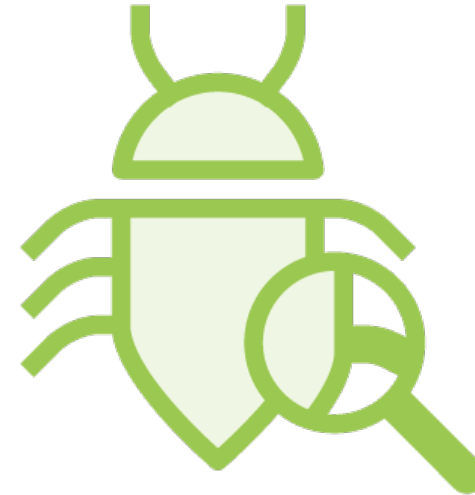


# Testing the App



## Demo the App

We have tested the app as we have added features



## Finding Problems

Most issues were corrected by using console.logs

# Protractor



**Protractor**

End to End testing



**Jasmine**

Protractor also uses Jasmine as its  
framework



## Angular Testing

<https://angular.io/docs/ts/latest/guide/testing.html>

## Karma

<https://karma-runner.github.io/1.0/index.html>

## Jasmine

<https://jasmine.github.io/>

## Protractor

<http://www.protractortest.org/#/>



# Summary



**Complete App**

**Authentication, Blog, and Shopping Cart**

**Used Firebase**

**Angular 2 can be used for mobile**

