Testing

Unit Tests

Run unit tests via Karma:

```
npm test
```

Tests are written using Jasmine and located alongside components:

- `*.spec.ts` files

End-to-End Tests

Run e2e tests via Protractor:

```
npm run e2e
```

E2E tests are located in the `e2e/` directory.

Test Configuration

- **Karma**: `karma.conf.js`
- **Protractor**: `e2e/protractor.conf.js`
- **TypeScript**: `tsconfig.spec.json`

Writing Tests

Example component test:

```
describe('CartComponent', () => {
  let component: CartComponent;
  let fixture: ComponentFixture<CartComponent>;

  beforeEach(async () => {
    await TestBed.configureTestingModule({
```

```
      declarations: [ CartComponent ]
    }).compileComponents();
  });

  beforeEach(() => {
    fixture = TestBed.createComponent(CartComponent);
    component = fixture.componentInstance;
    fixture.detectChanges();
  });

  it('should create', () => {
    expect(component).toBeTruthy();
  });

  it('should load cart items', () => {
    component.loadCart();
    expect(component.cartItems.length).toBeGreaterThan(0);
  });
});
```

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