🚀 Quick Start Guide

One-Command Startup

Simply run this **single command** to start everything:

```
./start-all.sh
```

This script will automatically:

1. Stop any running instances
2. Start the ELK stack (Elasticsearch, Logstash, Kibana)
3. Wait for services to be ready
4. Start your Spring Boot application

What You Get

After running the script (wait ~60 seconds for everything to start):

- **Application**: http://localhost:8081
- **Kibana (Logs)**: http://localhost:5601
- **Elasticsearch**: http://localhost:9200

Viewing Logs in Kibana

First Time Setup:

1. Open http://localhost:5601
2. Click **Management** → **Stack Management** → **Index Patterns**
3. Click **Create index pattern**
4. Enter: `spring-boot-logs-*`
5. Click **Next step**
6. Select `@timestamp` as time field
7. Click **Create index pattern**

View Logs:

1. Click **Discover** in left sidebar
2. All your application logs appear in real-time!

Using the Application

1. Browse products: http://localhost:8081
2. Add items to cart
3. Go to checkout

4. **IMPORTANT**: Refresh the page (F5) to see pre-filled form
5. The form will show:
   - Name: "John Doe"
   - Address: "123 Main St, Seattle, WA 98101"
6. Click "Place Order"
7. Address will be saved and displayed!

Stopping Everything

Run this **single command**:

```
./stop-all.sh
```

This stops both Spring Boot and the ELK stack.

Troubleshooting

Port 8081 already in use?

Run the stop script first:

```
./stop-all.sh
./start-all.sh
```

Logs not appearing in Kibana?

Wait 2-3 minutes after starting, then refresh Kibana.

Need to rebuild after code changes?

```
./stop-all.sh
./gradlew build
./start-all.sh
```

That's it! 🎉