

## Sponsor Information

Merck is a pharmaceutical company that does business with over 40,000 suppliers

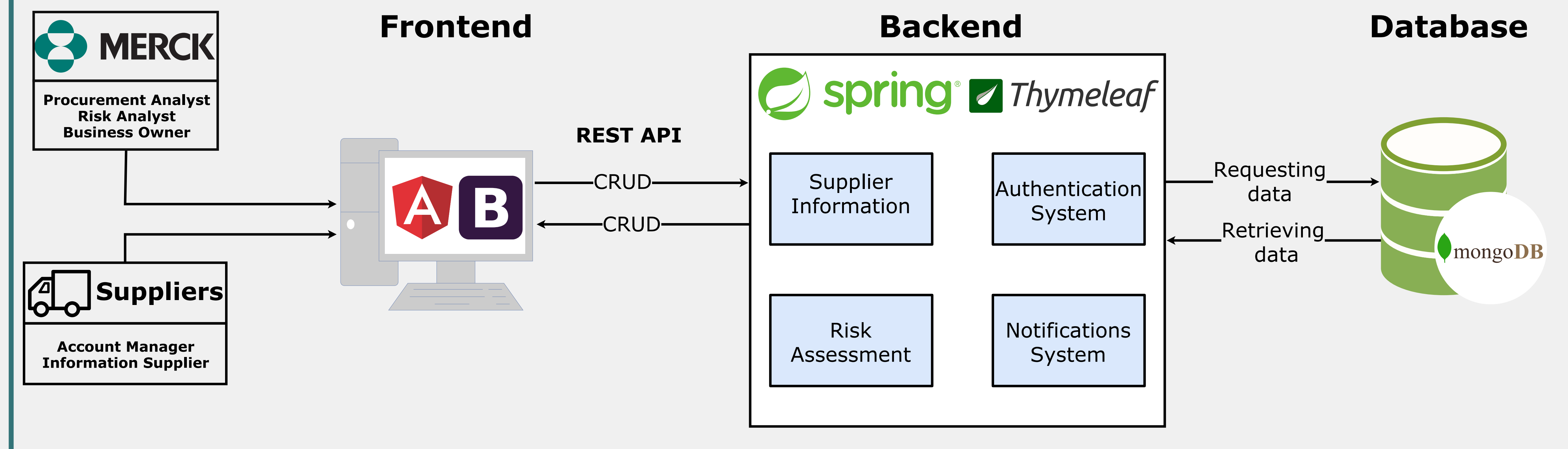
## Problem

- Potential danger to customer health if something goes wrong with a supplier
- Risk and resiliency assessment are crucial for each Merck supplier

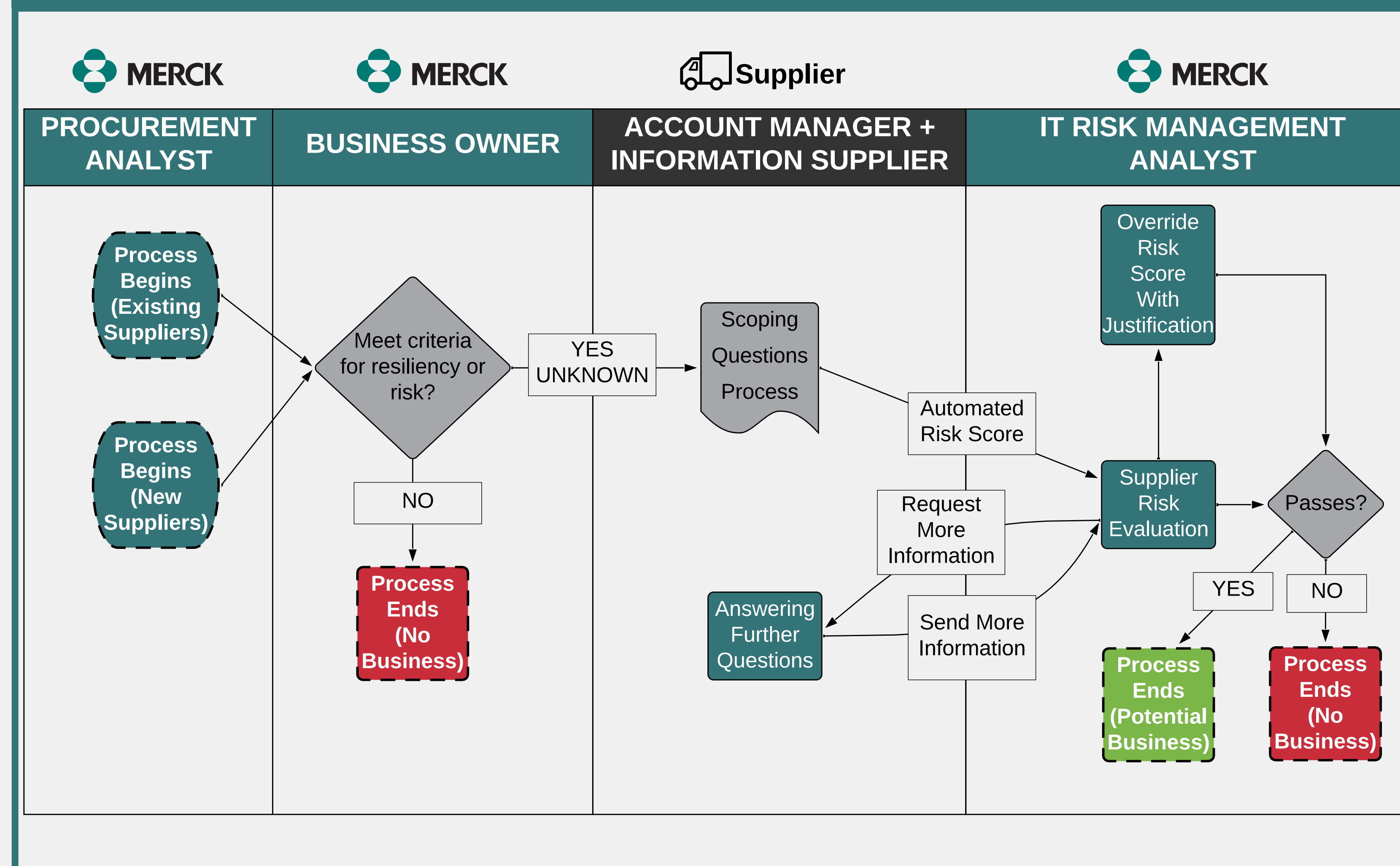
## Our Solution

- A multi-functional **inventory system** to maintain **supplier data**
- Serves as platform for risk assessment
- Facilitates **communication** between Merck users and supplier users

## System Design

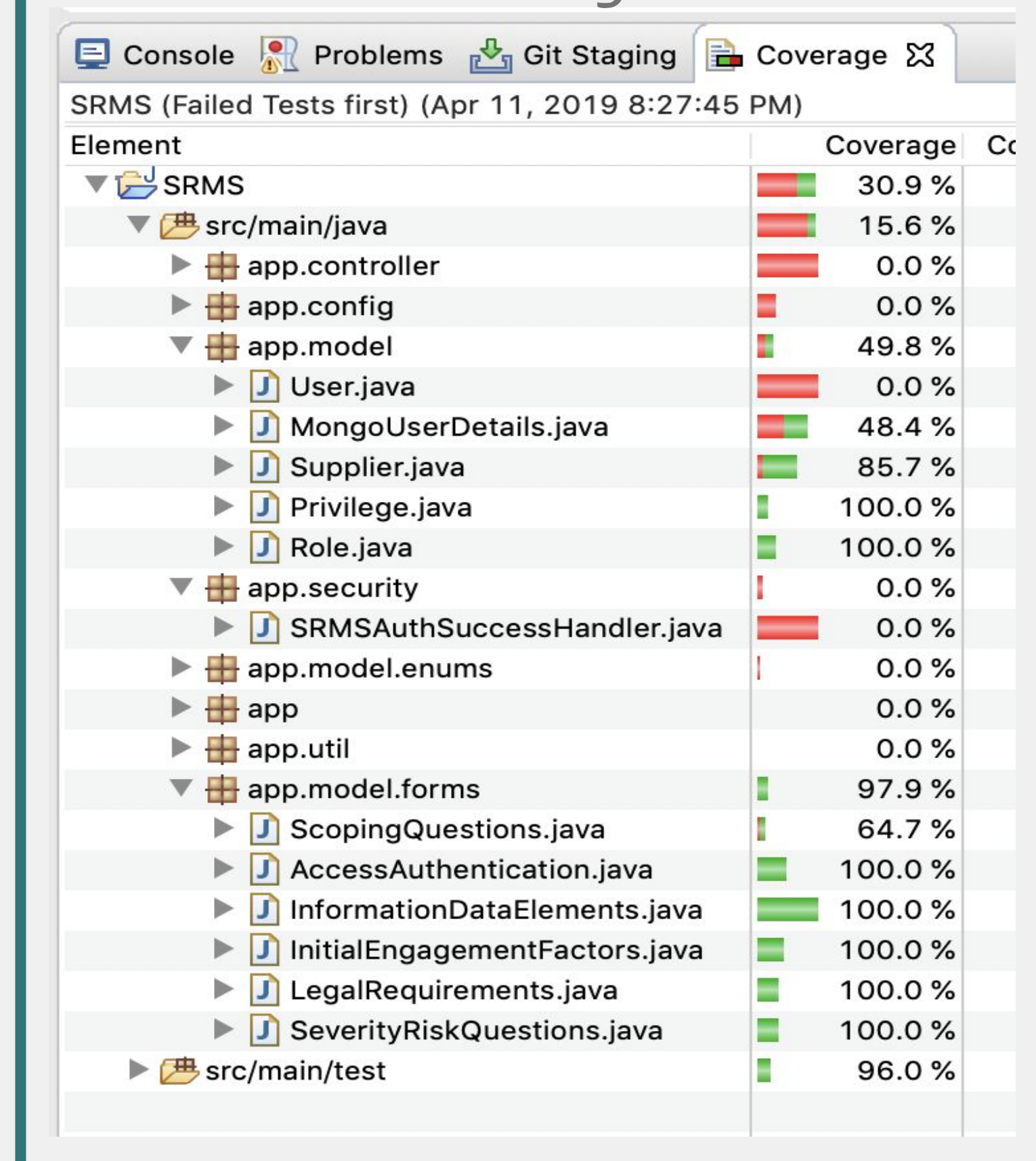


## Risk Assessment Process



## Testing

- **Acceptance** 10/15
- **Unit** 17/17 **JUnit 5**



The screenshot shows the JUnit test results for the SRMS project. The table lists the coverage percentage for various elements.

Element	Coverage
SRMS	30.9 %
src/main/java	15.6 %
app.controller	0.0 %
app.config	0.0 %
app.model	49.8 %
User.java	0.0 %
MongoUserDetails.java	48.4 %
Supplier.java	85.7 %
Privilege.java	100.0 %
Role.java	100.0 %
app.security	0.0 %
SRMSAuthSuccessHandler.java	0.0 %
app.model.enums	0.0 %
app	0.0 %
app.util	0.0 %
app.model.forms	97.9 %
ScopingQuestions.java	64.7 %
AccessAuthentication.java	100.0 %
InformationDataElements.java	100.0 %
InitialEngagementFactors.java	100.0 %
LegalRequirements.java	100.0 %
SeverityRiskQuestions.java	100.0 %
src/main/test	96.0 %