

CMPE 281





- AARTEE KASLIWAL
- AMITA KAMAT
- KAJAL AGARWAL
- MOHAMMAD HAROON SHAREEF
- PAVANA SRINIVASADESHIKA ACHAR

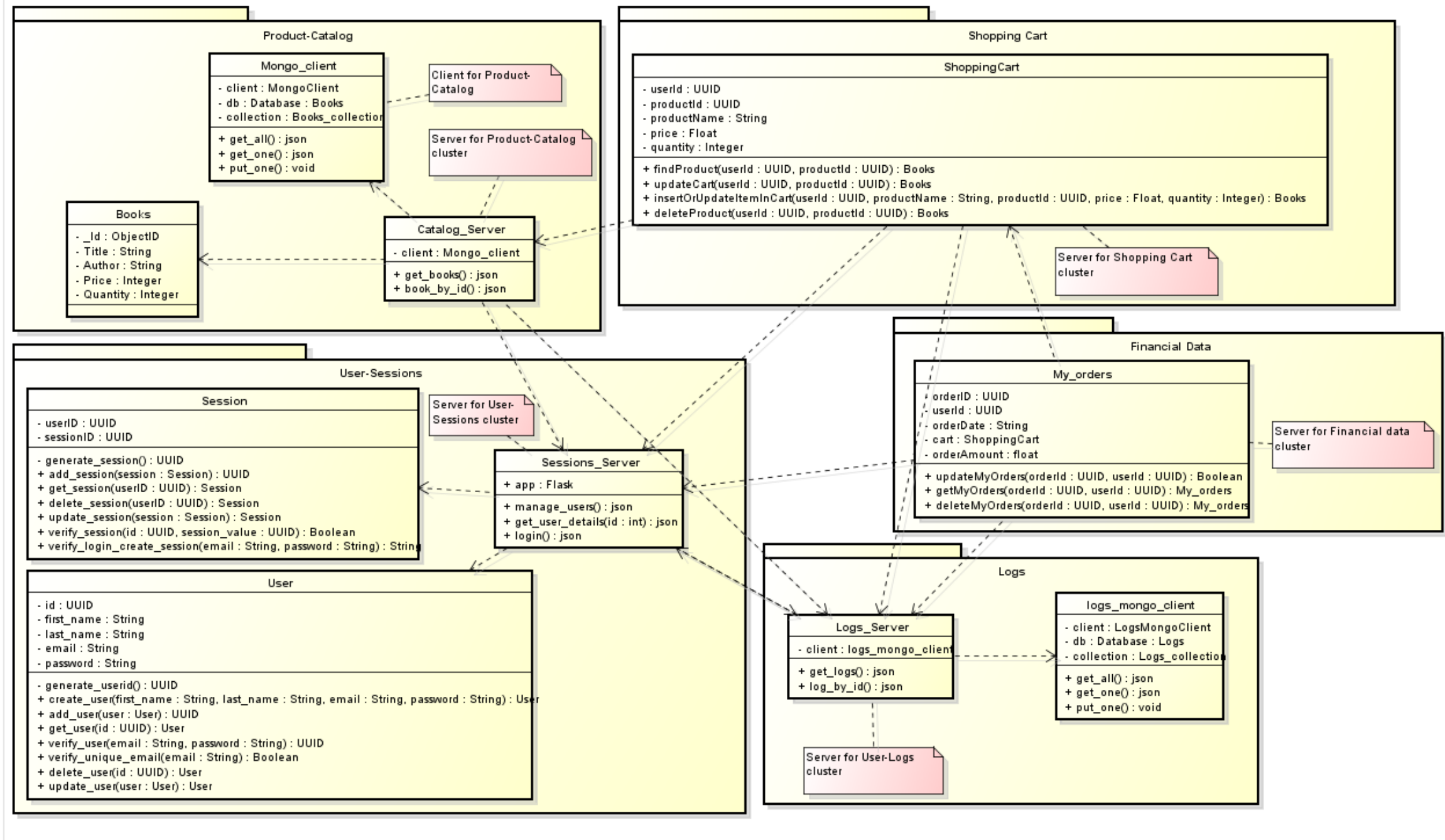


- UML Diagrams
- Final Task Board
- Cumulative Flow diagrams
- Scrum Burndown chart
- Scrum Retrospective
- UI WireFrames

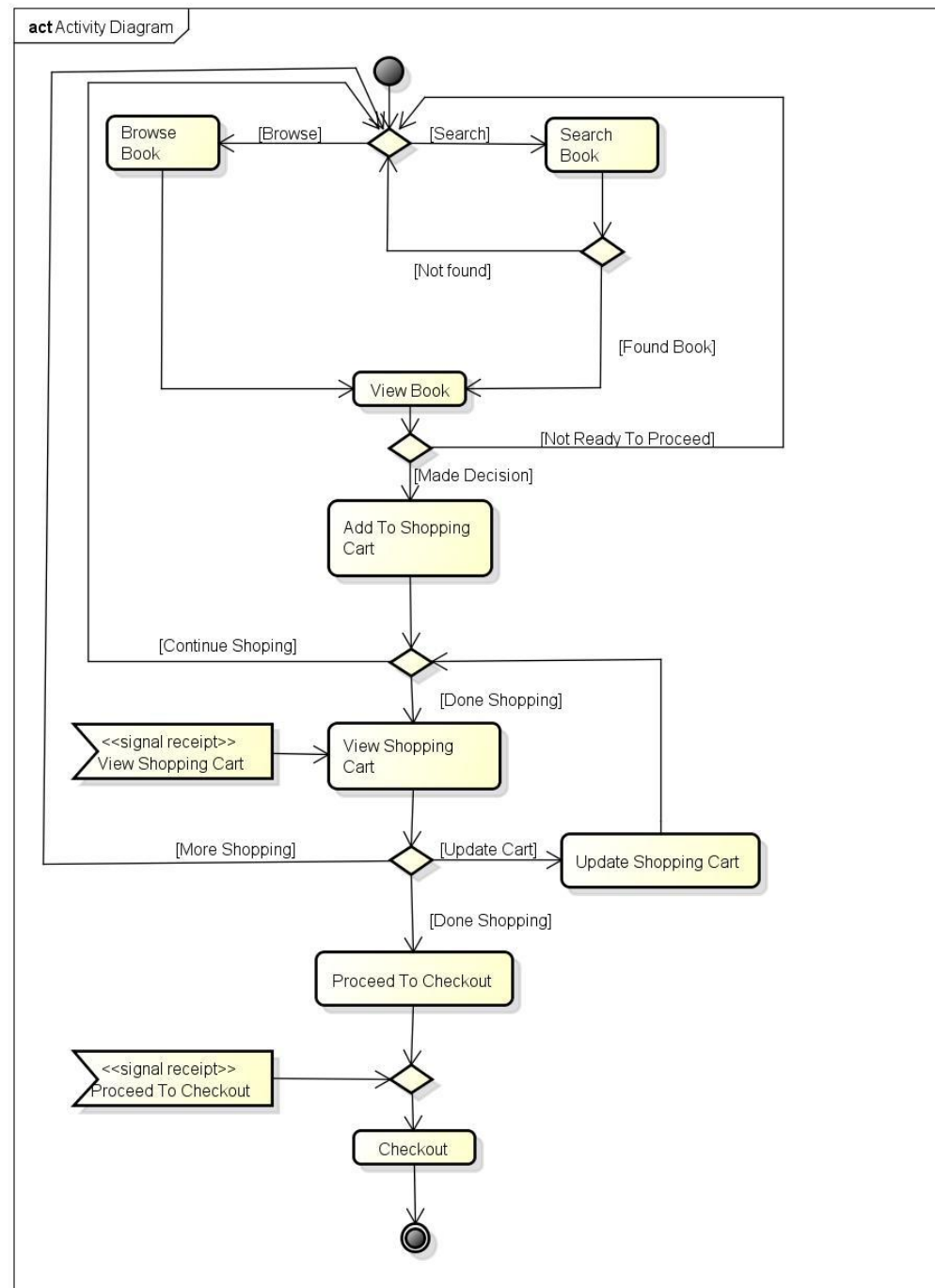




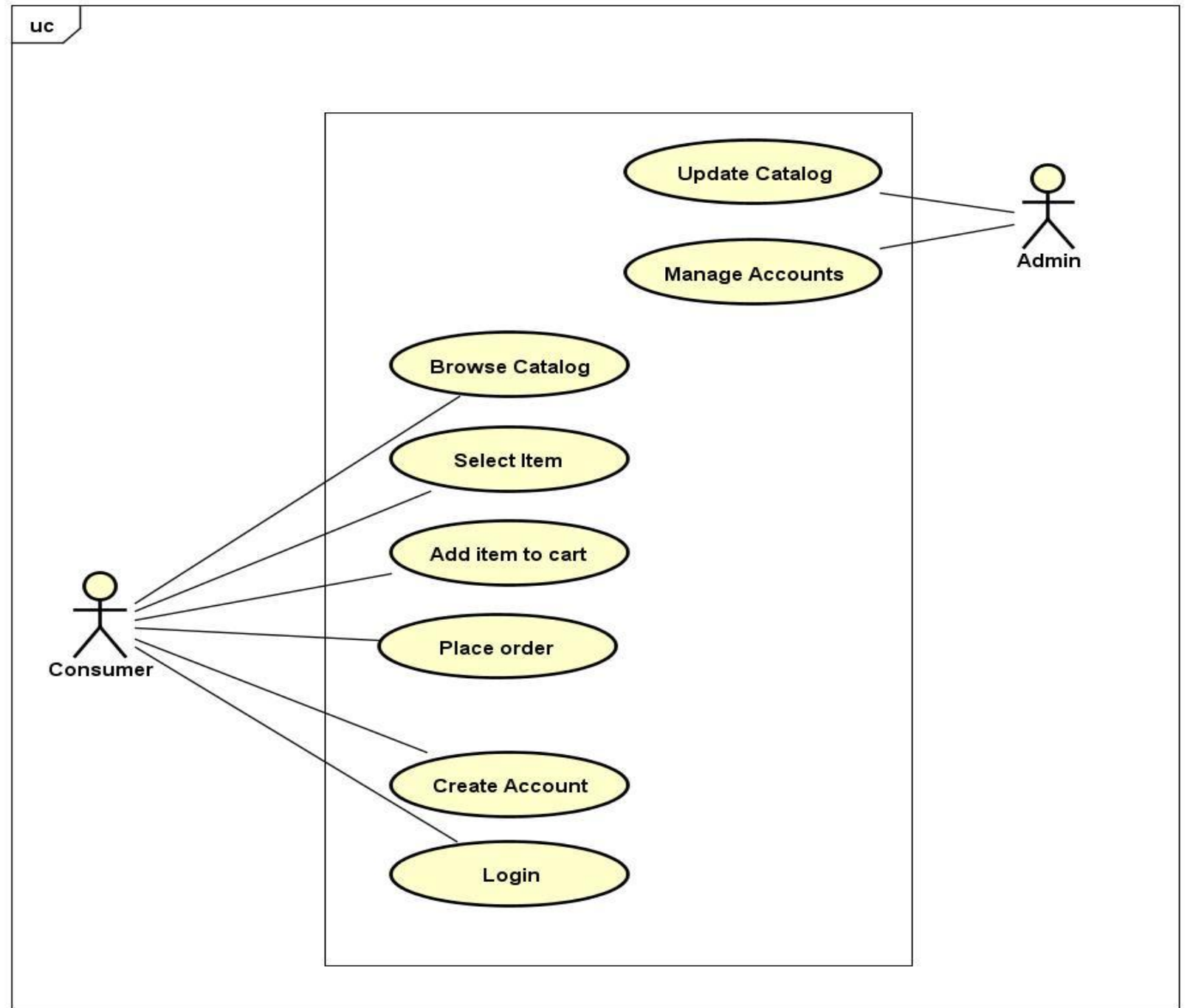
Class Diagram



Activity Diagram



Use Case Diagram



Use Case Specification

Use Case:

Online Ordering System

Brief Description:

Customer wishes to use the application to order books online.

Actors:

Customer, Admin

Basic Flow:

Customer

1. Customer creates an account.
2. Customer will login to the account.
3. Customer browses the catalog and selects desired item.
4. Customer adds the item to shopping cart.
5. Customer proceeds to checkout.
6. Customer places an order.

Admin

1. Admin manages user accounts
2. Admin updates the catalog

Success Guarantee:

An electronic receipt will be generated for placed orders



User Story

Story: User does online shopping to buy books

In order to shop online

As a User

I want to signup/login and browse a shopping website

Scenario 1: User can signup/login

Given: a signup page/ login page

And: user has a form, username, email, and password

When: user currently enters the details

And: the user authentication is done

Then: user successfully signs up/ logs in

Scenario 2: User wants to browse items (books) in the Product Catalog

Given: that Product Catalog has following details - Title, Author, Price, etc.

And: user is successfully logged in

When: user navigates to catalog in the menu

Then: entire catalog is displayed

Scenario 3: User wants to add items to the shopping cart

Given: user is successfully logged in

When: user selects a book, and mentions the quantity

And: clicks add to cart

Then: the item (book) is added to shopping cart

Scenario 4: User wants to edit quantity of items in the shopping cart

Given: that the item is already added in the shopping cart

And: user is successfully logged in

When: user clicks the shopping cart and edits quantity

And: clicks update cart

Then: the quantity of book is modified in shopping cart

Scenario 5: User wants to place an order

Given: that the shopping cart is not empty

And: user is successfully logged in

When: user clicks on checkout button

Then: the order is placed

Scenario 6: User wants to see the order history

Given: that user is successfully logged in

When: user clicks on MyOrders

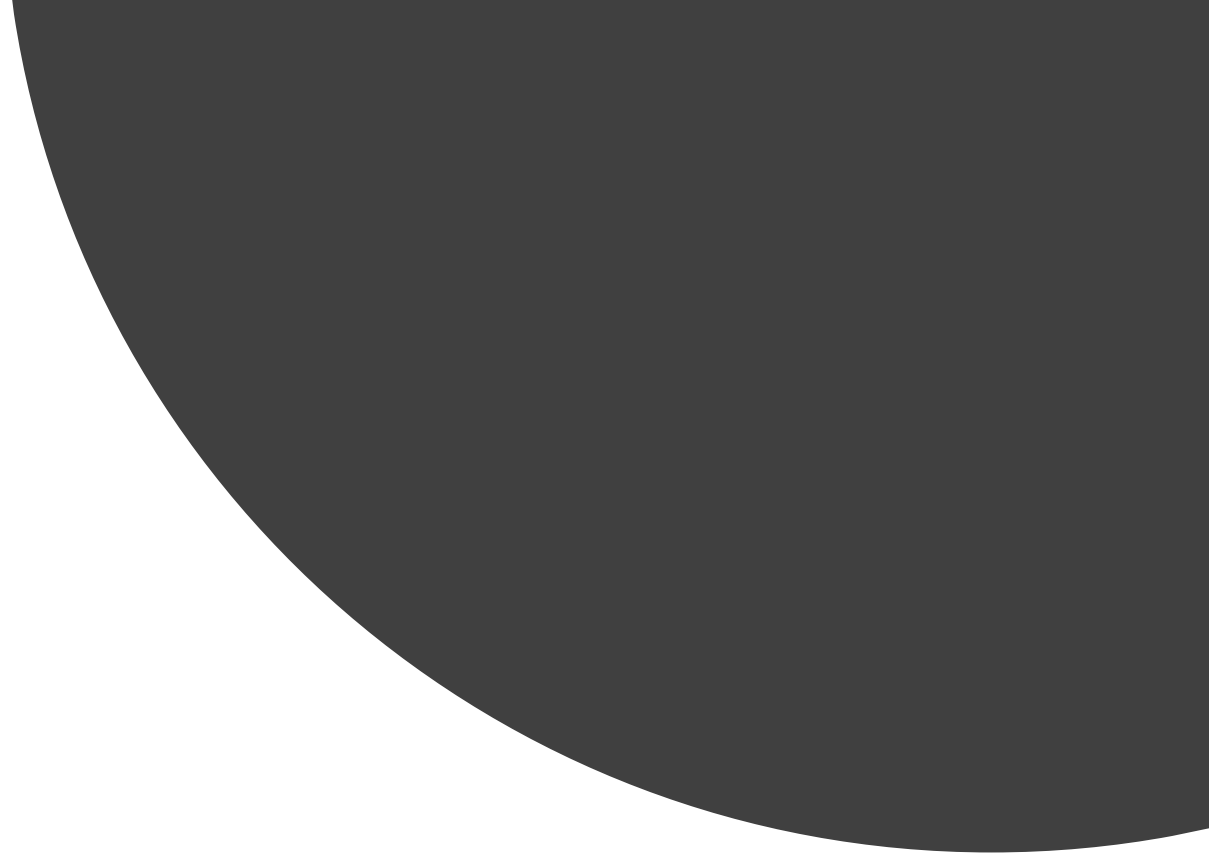
Then: the user can see previous orders placed.

Scenario 7: User wants to see activity logs

Given: that user is successfully logged in

When: user clicks on Activity logs

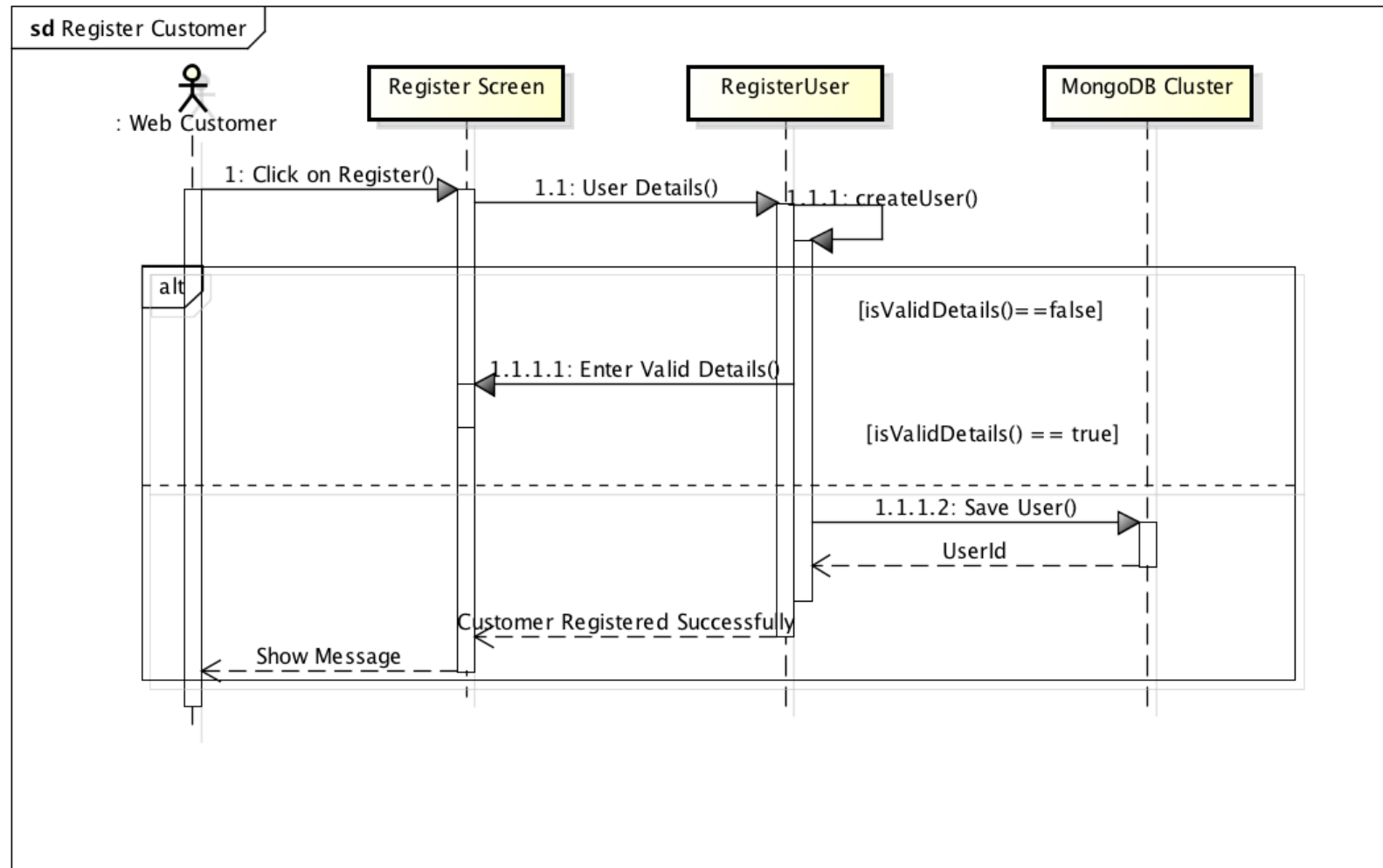
Then: the user can view the logs.



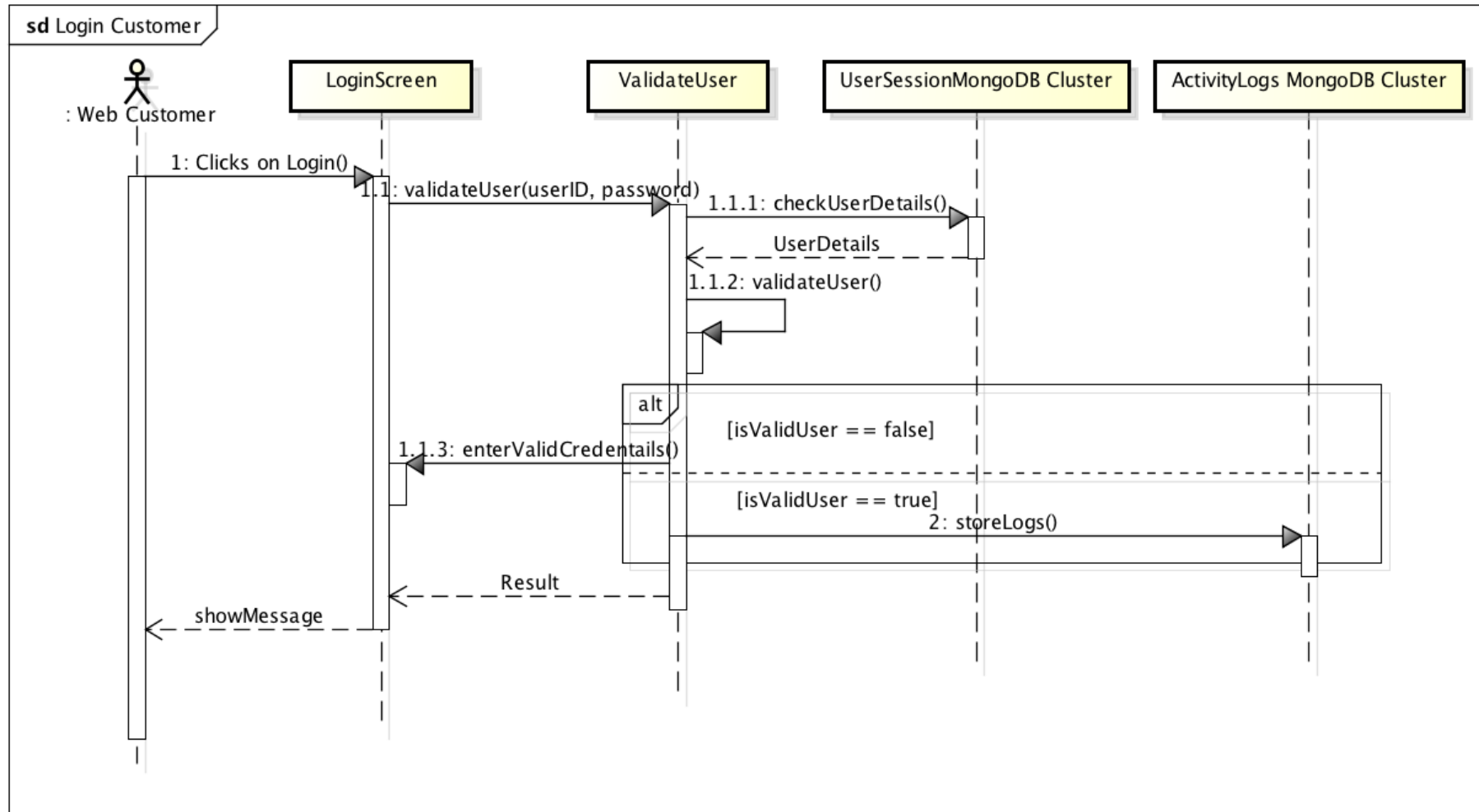
Sequence Diagram



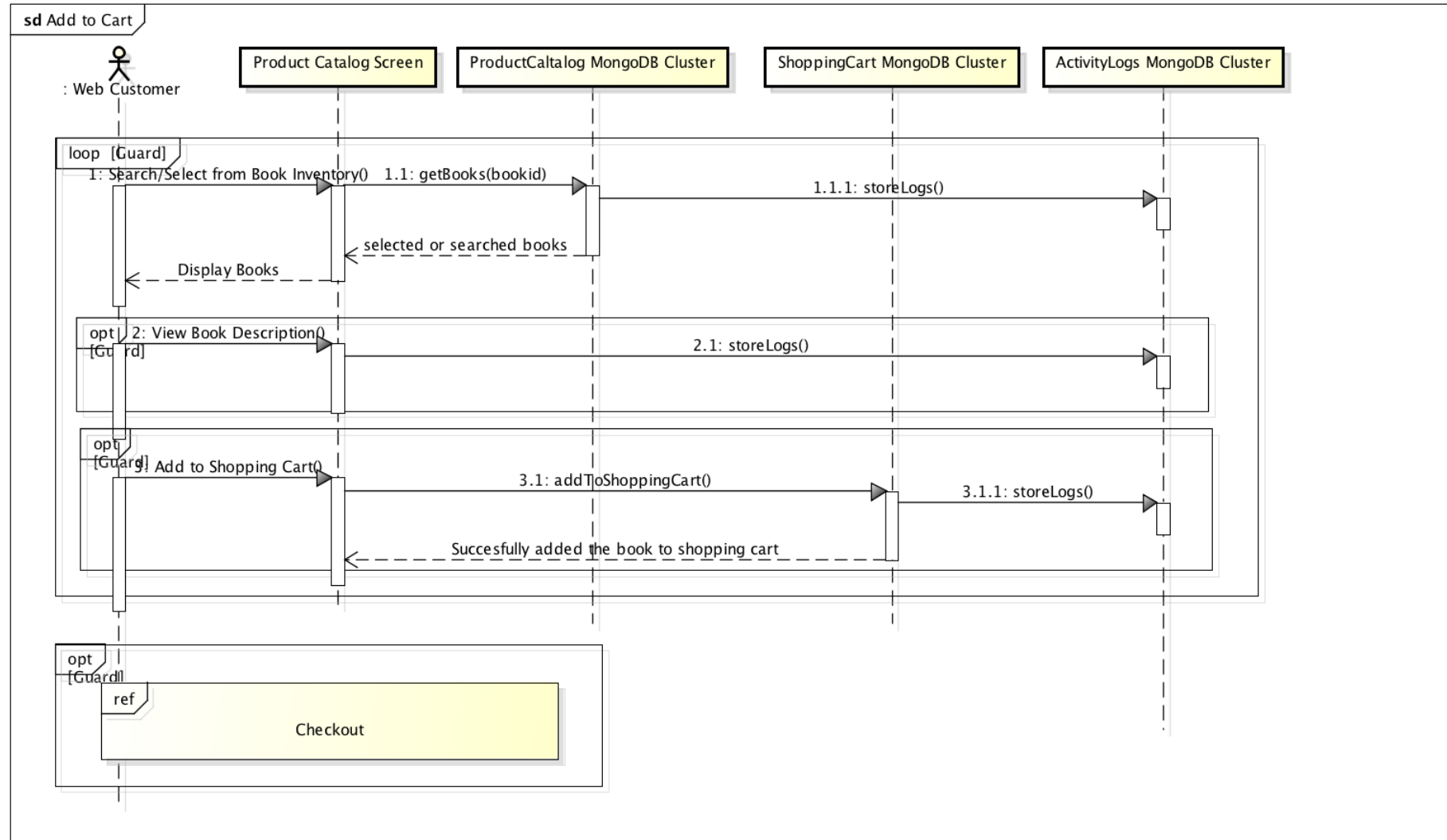
Register new customer



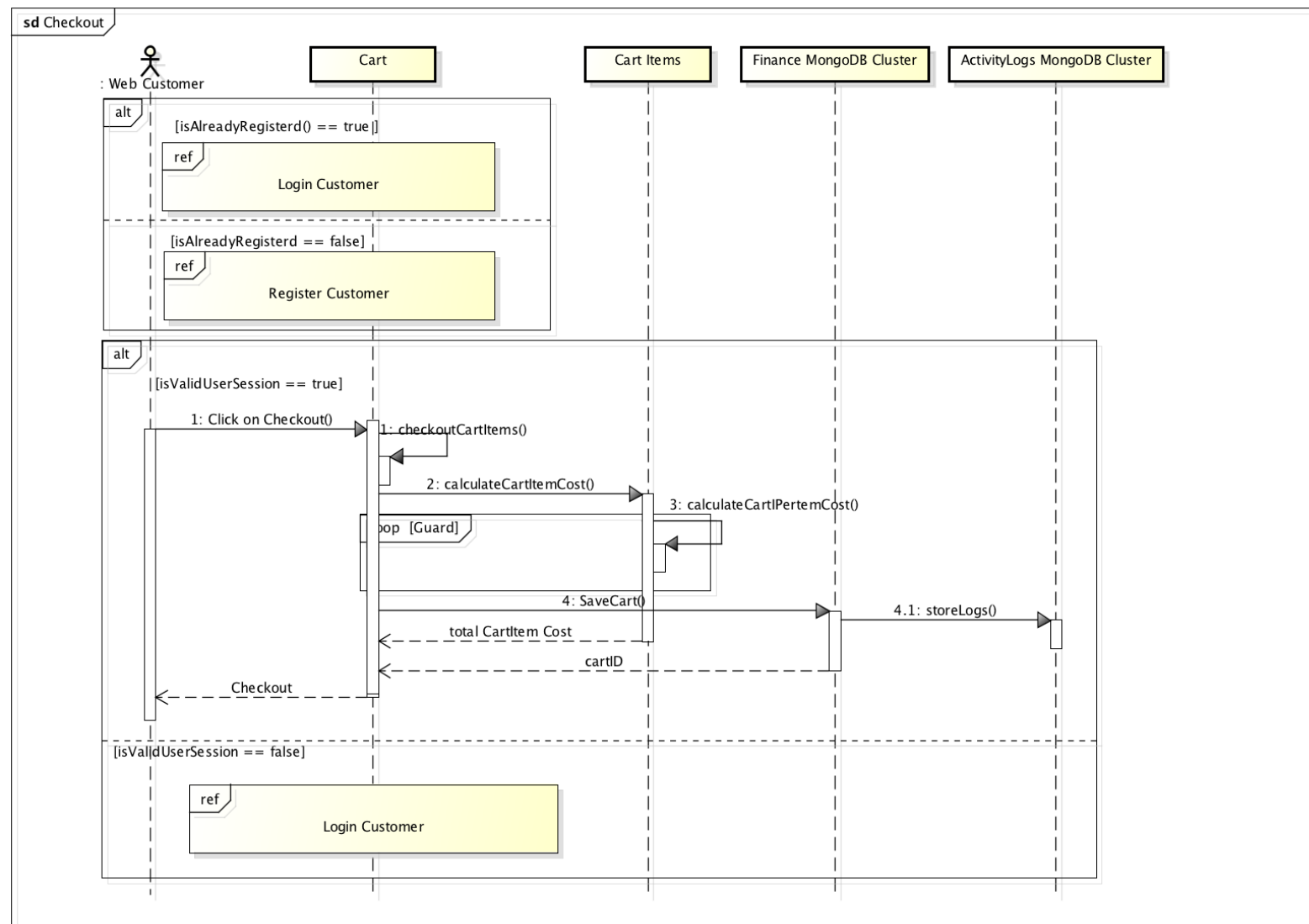
Customer Login



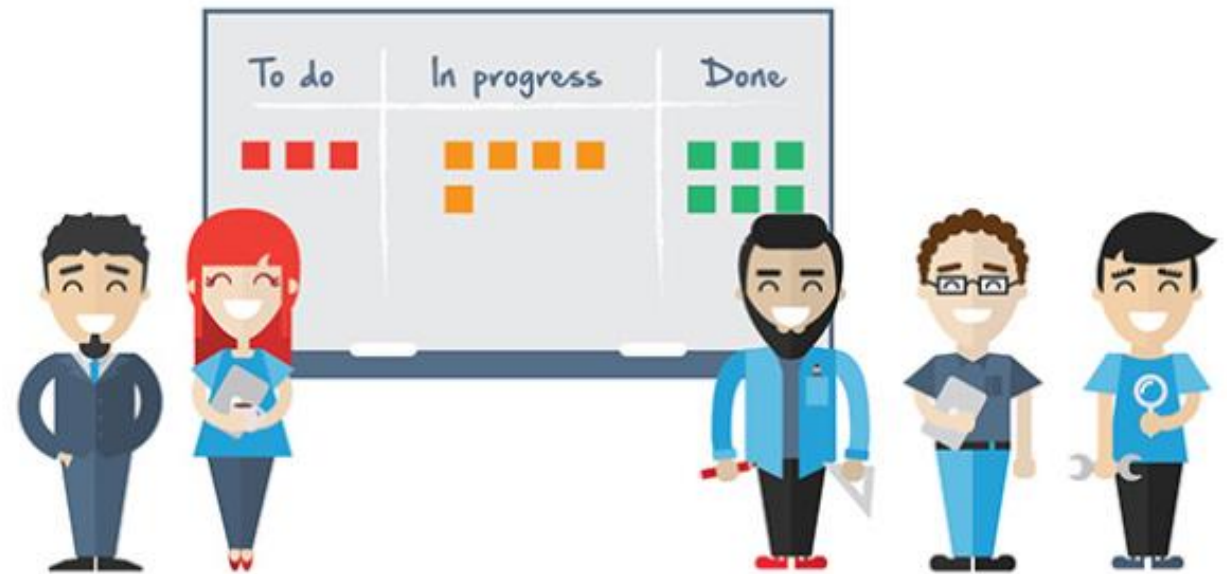
Add to Cart



Checkout



Scrum



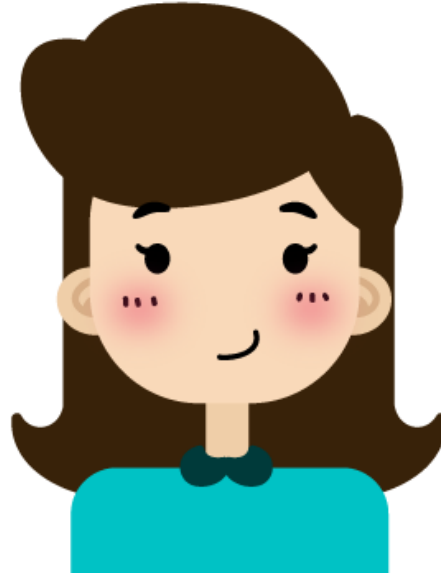
The Scrum Team



Mohammad
Product Owner



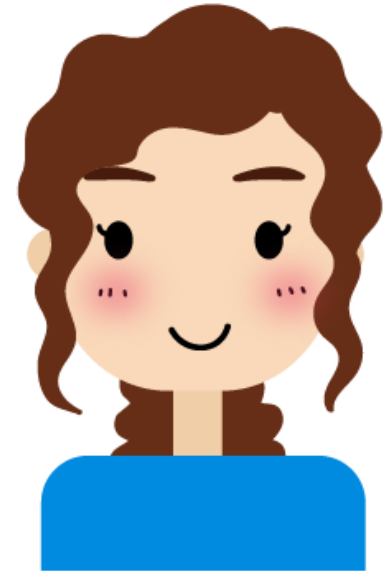
Amita
Scrum Master



Pavana
Developer



Kajal
Developer



Aartee
Developer

Final Task Board

nguyensjsu / cmpe281-avengers Private

Watch 4 Star 0 Fork 0

Code Issues 15 Pull requests 0 Projects 1 Insights

Task Board

Filter cards

Add cards Fullscreen Menu

Backlog 0

Ready to Start 0

In Development 6

learn AngularJS

#74 opened by mohammedharoon

Deploy MongoDB cluster on AWS

#60 opened by Aartee

Create a Sequence Diagram

#30 opened by Aartee

Deploy MongoDB cluster on AWS for financial data

#87 opened by Agarka

Deploy a 3-5 node cluster in AWS account

#19 opened by Aartee

Learning AngularJS

#18 opened by Aartee

In Testing 2

REST API : Python code for User Activity Logs

#62 opened by Aartee

Nodejs code for user activity logs

#46 opened by Aartee

In Review 7

Add forced user login functionality in the UI

#98 opened by Aartee

Add checkout route which stores the orders in mongodb

#97 opened by Aartee

Front End : Create Sign In/Sign Up page for online book store

#17 opened by Aartee

Add checkout feature on the UI

#96 opened by Aartee

Add cart view on the ui feature

#95 opened by Aartee

Create REST API for CRUD operations

#70 opened by mohammedharoon

Add functionality of Add to Shopping Cart button

#94 opened by Aartee

Done 87

POST API for myorders - transaction

#85 opened by Agarka

Nodejs code specific for myorders

#88 opened by Agarka

Create a class diagram for use sessions

#102 opened by amitakamat

Integrate the database server with backend database cluster

#90 opened by pavanaachar

Activity Diagram

#26 opened by mohammedharoon

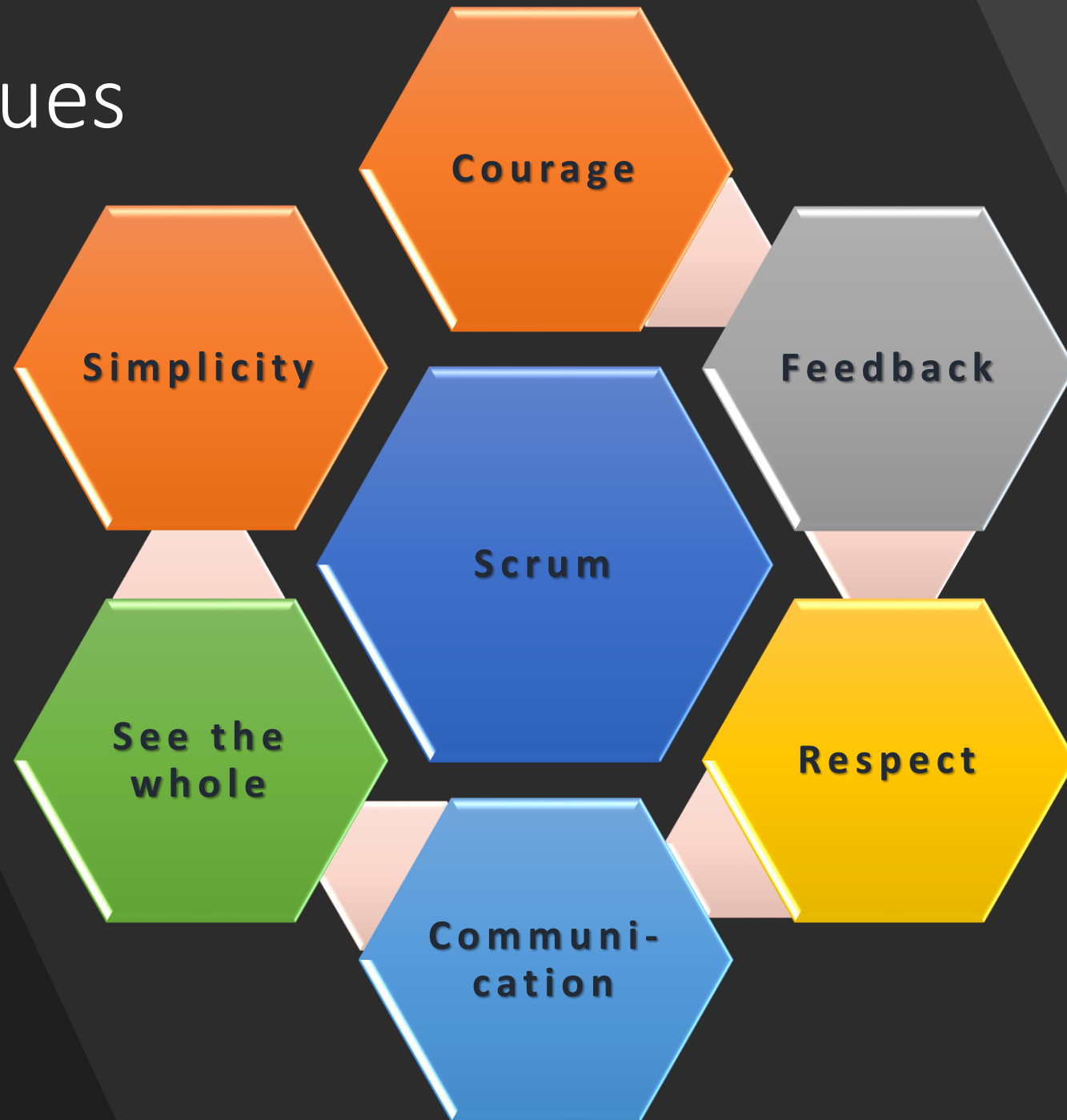
Implement API calls from UI code linking front end and backend code

#93 opened by amitakamat

Connect frontend to backend code

#99 opened by

XP Core Values





Weekly Standup

Team Avengers Team Meeting Week#4

Meeting Location

Online conference call on Google Hangouts

Meeting Date and Time

10/16/2017

11:00am - 12:30pm

Organizer and Scribe

Pavana Srinivasadeshika Achar

Attendees

1. Aartee Kasliwal
2. Amita Vasudev Kamat
3. Kajal Agarwal
4. Mohammad Haroon Shareef
5. Pavana Srinivasadeshika Achar

Key Discussion Points

1. Discussed available programming languages for backend development process and decided to go with python.
2. Discussed the need for having a barebone api endpoint template for each backend service to connect to frontend service
3. Discussed REST API design for backend services.

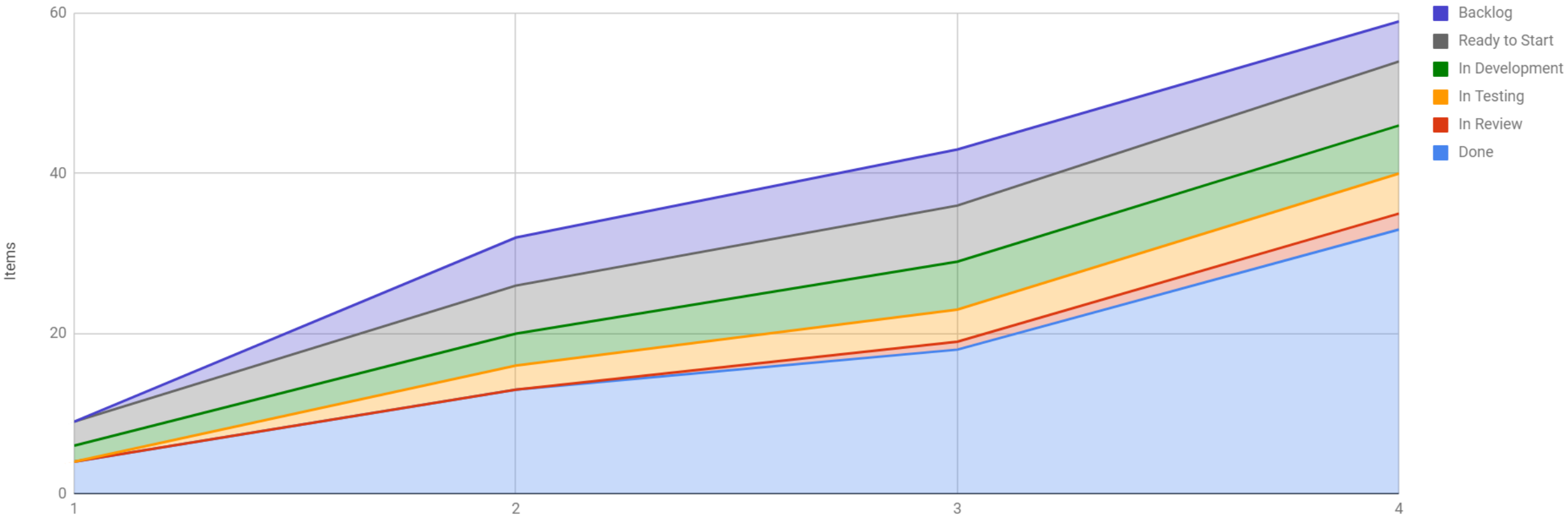
Action Items

1. Rest Api design for product catalog, User activity logs.
2. Deploy Mongodb service on aws cluster.
3. Deploy Riak cluster on aws.
4. Create UI wireframe for order placed.
5. CRUD Apis for mongodb - Product Catalog.

Challenges

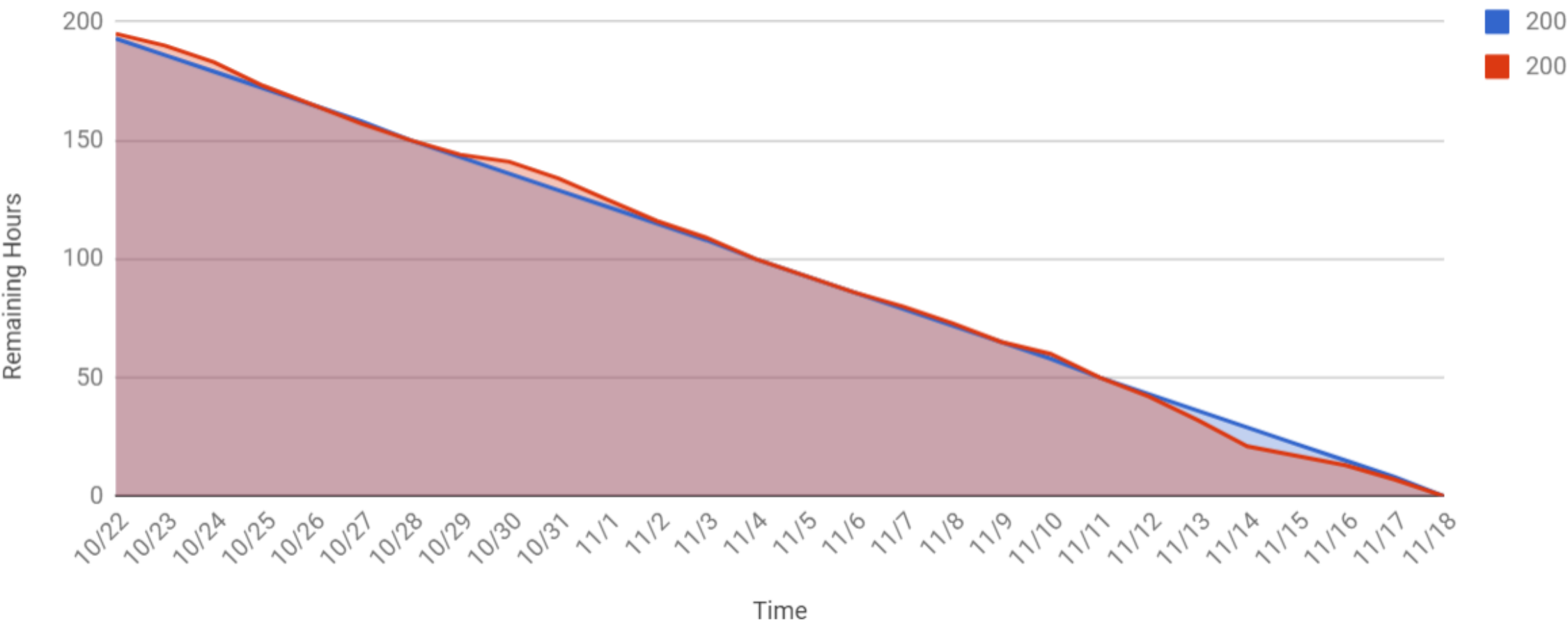
1. Database choice for user sessions between Dynamodb and Redis.

Cumulative Flow Diagram (Avengers Team)



Cumulative Flow Chart

Burndown Chart - Team Avengers



Sprint Burndown Chart



Sprint Retrospective

Team Avengers Project Retrospective Report

What did we do well?

- Regular team meetings.
- Discussing pros and cons of a technology before using it in the project.
- Research on all the tasks for feasibility before starting implementation.
- Taking regular feedbacks from all team members.
- On-time completion of all tasks discussed in the weekly meetings.
- Asked for help from team members when stuck with any task for more than 3-4 hours.
- Good project architecture.

What should we have done better?

- Discuss on project requirements regularly to make sure all team members have the same understanding of the project.
- Get the code functionalities reviewed by all team members.
- Start on the UI development early in the project development.
- Discuss with team before changing a technology used in the project.
- Proper documentation on how to run, use and test the individual modules without UI.



What should we start doing?

- Start developing UI as soon as wireframes are ready along with backend.
- Ask 2-3 team members to review the code so that everybody is aware of the functionality and any bugs or missed requirements can be detected early.
- Ask a team member to test your functionality for all cases.
- Make sure all team members understand the requirements properly by discussing the requirements regularly.
- Document the testing and setup steps regularly.

What should we stop doing?




- Testing only the modules that a team member is responsible for implementing.
- Not adding other team members in code review.
- Discuss before changing any technology in the project.

What should we keep doing?

- Help each other in a team in case a team member is stuck with any task.
- Discuss any requirements if unclear.
- Have regular team meetings and MOM to keep track of things discussed.
- Divide the tasks equally among team members.
- Complete the tasks on time as planned.

UI Wireframes

Login Screen



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First Name

Last Name

Email

Mobile

Password

at least 8 characters

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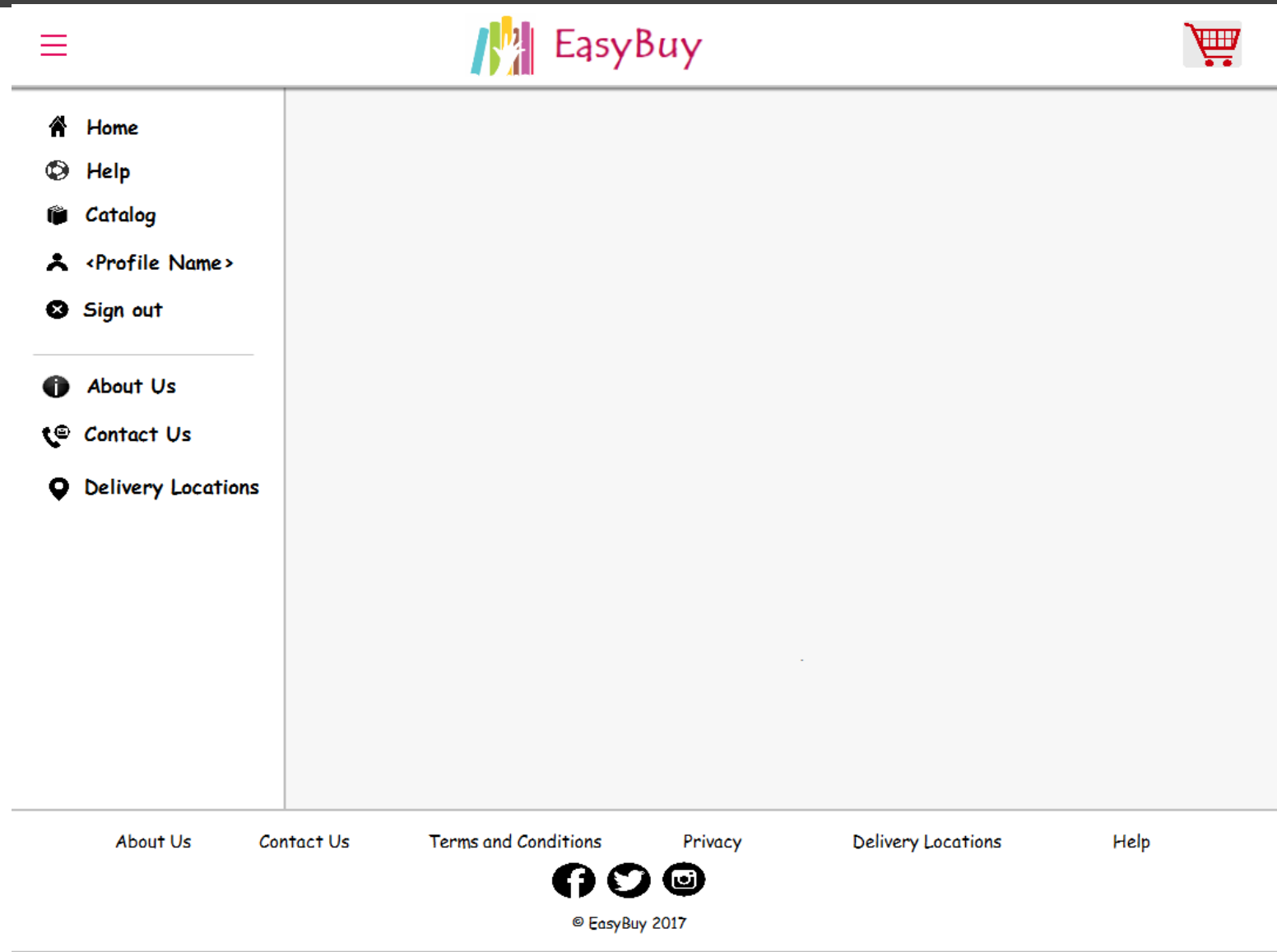
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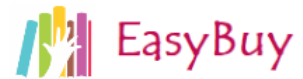


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Menu after login



Catalog




All Books

[Advanced Search](#)



Search




Title

Authors

Price

Available




Title

Authors

Price

Available




Title

Authors

Price

Available




Title

Authors

Price

Available




Title

Authors

Price

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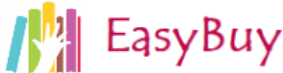

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Search Catalog



Advanced Book Search

Search

Title	Return books with the title	<input type="text"/> <i>e.g. Inferno</i>
Author	Return books written by	<input type="text"/> <i>e.g. Dan Brown</i>
Publisher	Return books published by	<input type="text"/> <i>e.g. Doubleday</i>
Genre	Return books with the genre	<input type="text"/> <i>e.g. Mystery</i>
ISBN	Return books with the ISBN	<input type="text"/> <i>e.g. 9780385537858</i>

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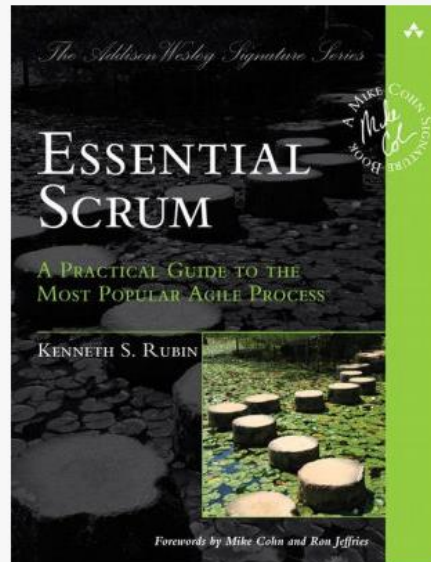
Book Details



Essential Scrum: A Practical Guide to the Most Popular Agile Process

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Edition 1



By Kenneth S. Rubin

ISBN 9780137043293

Publisher Addison-Wesley

Published Date 08/09/2012

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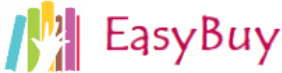

- 1 +

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Shopping Cart



All Books

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	Title Authors Price	Available
	Title Authors Price	Available
	Title Authors Price	Available
	Title Authors Price	Available
	Title Authors Price	Available
	Title Authors Price	Not Available
	Title Authors Price	Available
	Title Authors Price	Available

Your Order




Checkout \$12.40

1 Essential Scrum: A Practical Guide to the Most Popular Agile Process

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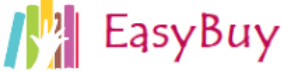

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 <div>Title Authors Price</div> <div>Available</div>	 <div>Title Authors Price</div> <div>Not Available</div>	
 <div>Title Authors Price</div> <div>Available</div>	 <div>Title Authors Price</div> <div>Available</div>	
 <div>Title Authors Price</div> <div>Available</div>	 <div>Title Authors Price</div> <div>Available</div>	




Your Order

Your cart is empty!

Add items to get started.

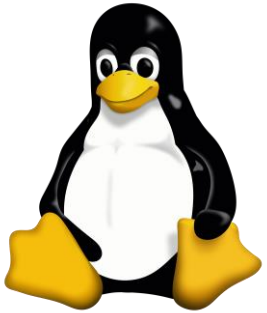
Your Order has been placed !

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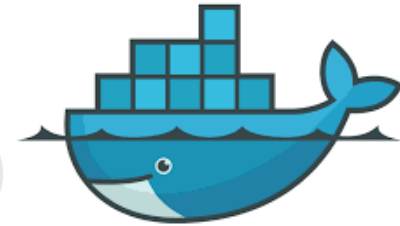


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Technology Stack



Flask



mongoDB



cassandra



{ REST }