

Read Me

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- Presenting

- The purpose of the Alpha Presentation is to convince everyone that your team will be successful; that is, to convince everyone that your team has your project completely scoped, the specifications complete, and all risks mitigated so that you are capable of implementing your project, full-featured, and delivered it to your client, on time (Wednesday, December 7).
- The time limit for your presentation is 15 minutes, which will be strictly enforced. Practice your presentation to ensure that you will finish within the allotted time.
- Each team will share and “drive” the slide deck for their own team.
- Plan on spending most of your presentation demonstrating your software. A suggested approach is as follows.
 - Very Brief Review of Project Overview
 - Very Brief Review of System Architecture
 - Software Demonstration (Skipping All of the Screen Shot Slides in Your Slide Deck)
 - Brief Summary of What’s left to do?
- Your presentation should be professional, well rehearsed, and flow from beginning to end. Practice presenting using Microsoft Teams. Ensure that your slides are readable. Practice sharing your screens and demonstrating your software. Practice switching from one team member to another.
- As a backup to live demonstrations, consider making screen recordings of your software demonstrations using Camtasia.
- We will meet in two “split-hands” meetings with one Teams channel for Luke’s teams and one for Griffin’s teams.
- All team members are required to dress business casual on the day of their presentation. Business casual does not include sneakers, tennis shoes, hats, coats, hoodies, t-shirts or shirts that are not tucked into pants. Google “what is business casual.”
- All team members should turn their cameras on during their presentation.
- Although the presentations will be scheduled over the course of three meetings, all teams must be prepared to present on the first day scheduled, Thursday, October 13.
- The presentation schedule will be posted on our [All-Hands Meetings](#) page in the evening of Wednesday, October 12.



READ ME

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- Creating and Editing

- Use only the Windows version of Office 365.
- You must use this PowerPoint slide deck template as is. Do not change the number of slides unless the instructions explicitly allow you to duplicate slides. Do not change the order of the slides. Do not change the styles. Do not edit the master slides.
- Throughout the template, replace placeholders [...] with the appropriate information.
- Edit the center footer by clicking the Header & Footer button on the Insert ribbon. Change [Team Name] in the footer to your company name as in “Team TechSmith Alpha Presentation”. If necessary, extend the width of the center footer textbox on the master slide, making sure that you re-center the enlarged textbox.
- Do not include any company confidential information in your presentation.
- Delete every textbox that includes “Delete this textbox” and every slide that includes “Delete this slide.”

- Submitting

- All presentations are due to us and to your client by 11:59 p.m., Wednesday, October 12.
- Name your PowerPoint slide deck file as “team-[team-name]-alpha-presentation.pptx” replacing “[team-name]” with your team’s name (using all lower case and replacing all blanks with dashes) in your filename as in “team-auto-owners-alpha-presentation.pptx”. Set File Explorer or Finder to show all file extensions to ensure that there are no blanks before the “.pptx” extension as in “team-amazon .pptx”.
- Upload your PowerPoint slide deck to the folder “Alpha Presentation Slide Decks” in our Microsoft Teams General Channel file space by 11:59 p.m., Wednesday, October 12. In addition, upload your slide deck to your team’s private channel file space in case your slide deck is deleted by accident from the General Channel file space, and you need to prove that you did indeed upload your slide deck by the due date and time.
- Email a copy of your slide deck to your client as well by 11:59 p.m., Wednesday, October 12. Do not cc us on that email. Include some professional text in the body of your email to practice being a professional and to avoid having your email sent to your project sponsor’s junk folder.





Alpha Presentation

Technology Driven Inventory Optimization

The Capstone Experience

Team Stryker

Abhiram Penmethsa

Shashwat Bhatia

Jake Perialas

Joseph Klynstra

Owen Evey

Department of Computer Science and Engineering

Michigan State University

Fall 2022

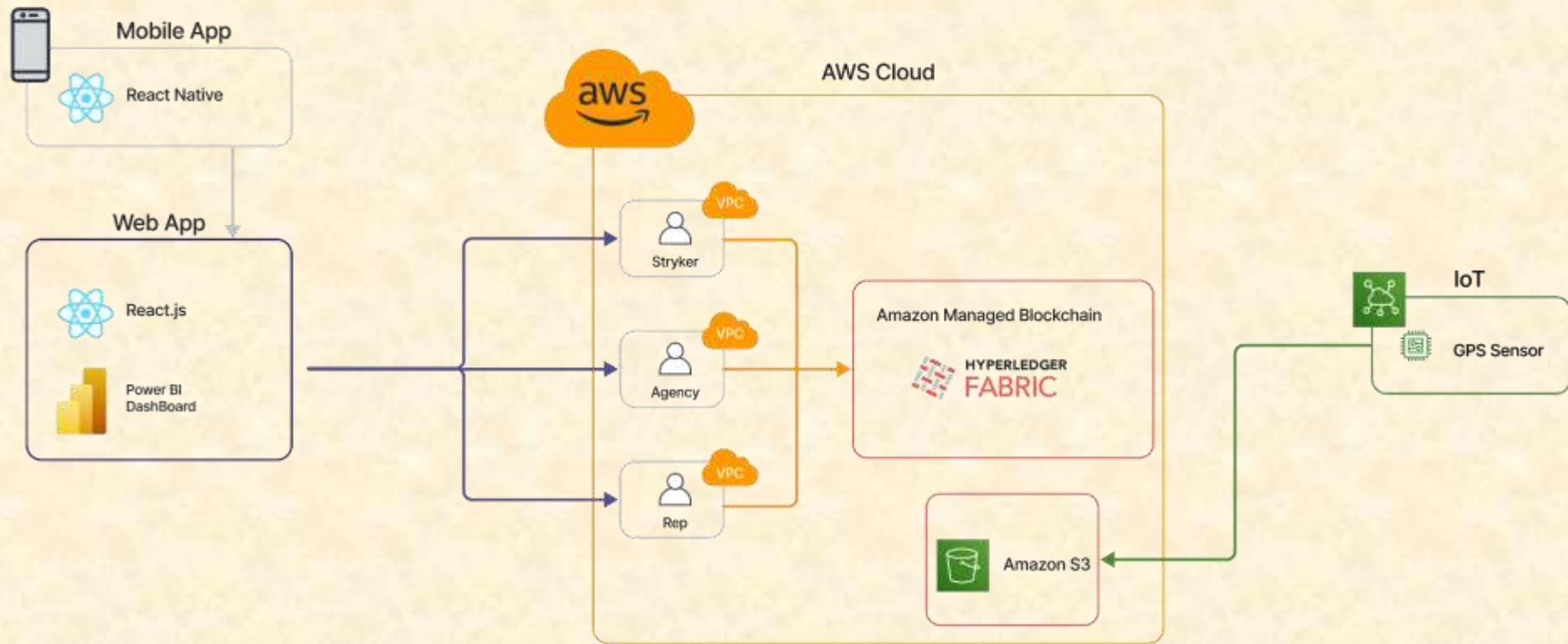


*From Students...
...to Professionals*

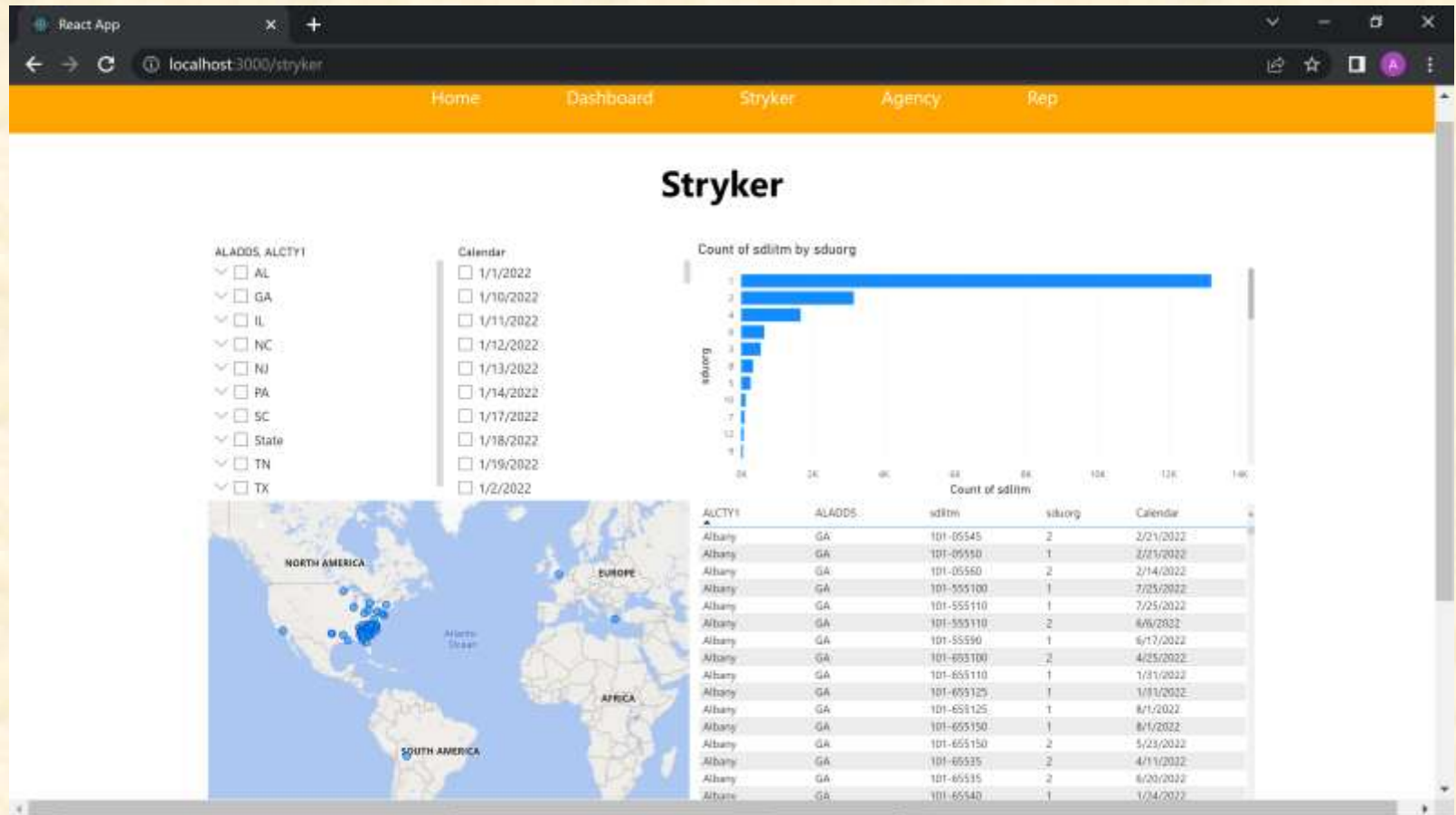
Project Overview

- Blockchain
 - AWS
 - Hyperledger fabric
- Web application
 - ReactJS
 - PowerBI
 - Firebase
- Sensor
 - Pebble Sensor
 - IOTEX

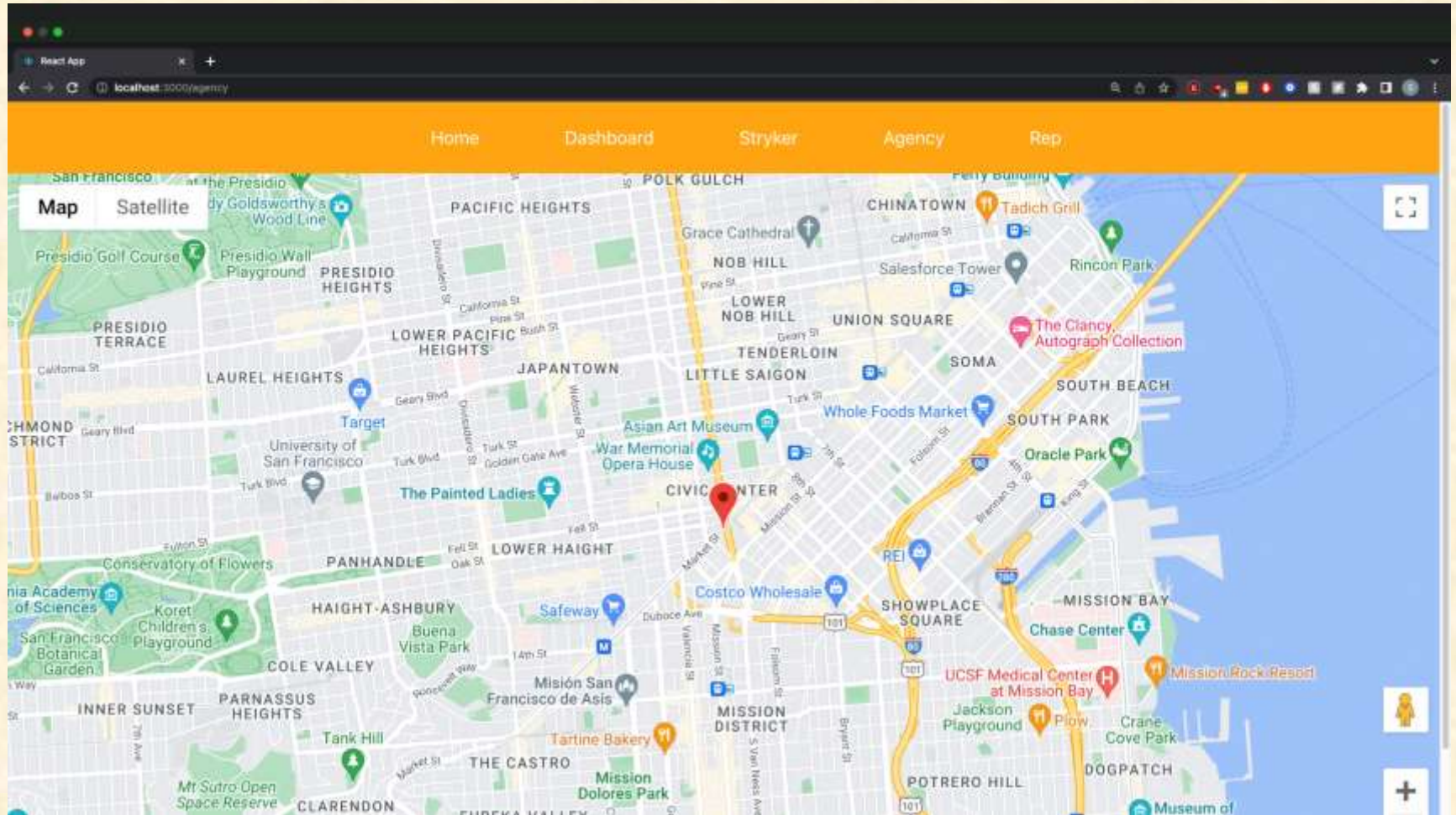
System Architecture



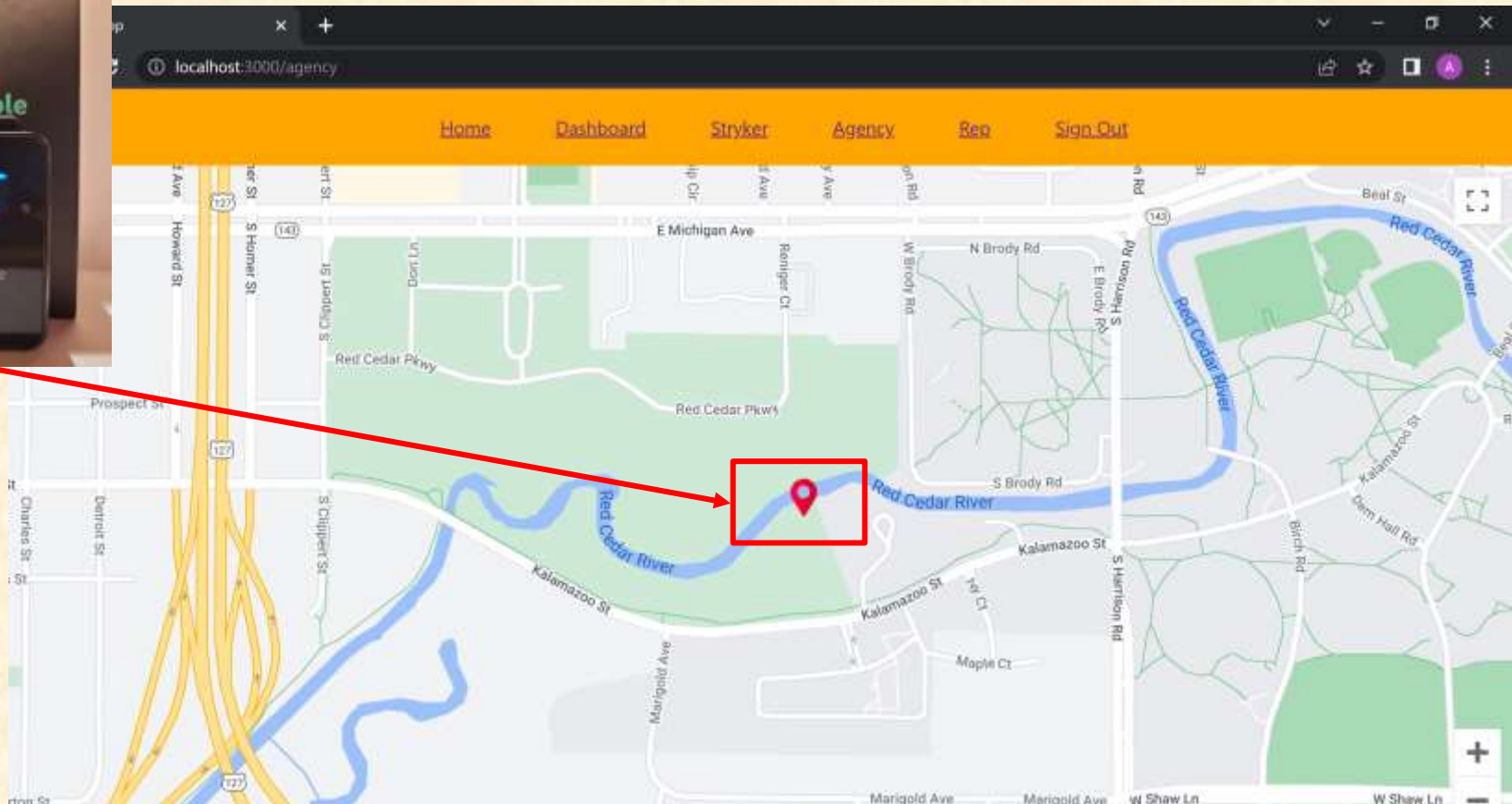
Supply chain dashboard



Google Maps



Pebble Sensor



Blockchain

```
ec2-user:~ $ docker-compose -f docker-compose-cli.yaml up -d
cli is up-to-date
ec2-user:~ $ docker exec -e "CORE_PEER MSPCONFIGPATH=/opt/home/spworker-msp" cli peer chaincode invoke -C mainchannel -n supplychaincc -c '{"Args": ["createProduct", "SurgicalKit1"]}' -o $ORDERER --cafile /opt/home/managedblockchain-tls-chain.pem --tls
2022-10-11 02:27:03.725 UTC [chaincodeCmd] chaincodeInvokeOrQuery -> INFO 001 Chaincode invoke successful. result: status:200 payload:{"state":{"manufactured":"","history":{"manufactured":{"2022-10-11T02:27:03.638Z"}}}}
ec2-user:~ $ docker exec -e "CORE_PEER MSPCONFIGPATH=/opt/home/spinspector-msp" cli peer chaincode invoke -C mainchannel -n supplychaincc -c '{"Args": ["updateProductState", "SurgicalKit1", "inspect"]}' -o $ORDERER --cafile /opt/home/managedblockchain-tls-chain.pem --tls
2022-10-11 02:27:14.045 UTC [chaincodeCmd] chaincodeInvokeOrQuery -> INFO 001 Chaincode invoke successful. result: status:200 payload:{"history":{"manufactured":{"2022-10-11T02:27:03.638Z"},"inspected":{"2022-10-11T02:27:14.021Z"},"state":{"inspected"}}}
ec2-user:~ $ docker exec -e "CORE_PEER MSPCONFIGPATH=/opt/home/spworker-msp" cli peer chaincode invoke -C mainchannel -n supplychaincc -c '{"Args": ["updateProductState", "SurgicalKit1", "ship"]}' -o $ORDERER --cafile /opt/home/managedblockchain-tls-chain.pem --tls
2022-10-11 02:27:29.036 UTC [chaincodeCmd] chaincodeInvokeOrQuery -> INFO 001 Chaincode invoke successful. result: status:200 payload:{"history":{"inspected":{"2022-10-11T02:27:14.021Z"},"manufactured":{"2022-10-11T02:27:03.638Z"},"shipped":{"2022-10-11T02:27:29.021Z"},"state":{"shipped"}}}
ec2-user:~ $
```

```
ec2-user:~ $ docker-compose -f docker-compose-cli.yaml up -d
cli is up-to-date
ec2-user:~ $ docker exec -e "CORE_PEER MSPCONFIGPATH=/opt/home/rtworker-msp" cli peer chaincode invoke -C mainchannel -n supplychaincc -c '{"Args": ["updateProductState", "SurgicalKit1", "receive"]}' -o $ORDERER --cafile /opt/home/managedblockchain-tls-chain.pem --tls
2022-10-11 02:27:42.078 UTC [chaincodeCmd] chaincodeInvokeOrQuery -> INFO 001 Chaincode invoke successful. result: status:200 payload:{"history":{"inspected":{"2022-10-11T02:27:14.021Z"},"manufactured":{"2022-10-11T02:27:03.638Z"},"shipped":{"2022-10-11T02:27:29.021Z"},"stocked":{"2022-10-11T02:27:42.050Z"},"state":{"stocked"}}}
ec2-user:~ $ docker exec -e "CORE_PEER MSPCONFIGPATH=/opt/home/rtworker-msp" cli peer chaincode invoke -C mainchannel -n supplychaincc -c '{"Args": ["updateProductState", "SurgicalKit1", "label"]}' -o $ORDERER --cafile /opt/home/managedblockchain-tls-chain.pem --tls
2022-10-11 02:28:18.003 UTC [chaincodeCmd] chaincodeInvokeOrQuery -> INFO 001 Chaincode invoke successful. result: status:200 payload:{"history":{"inspected":{"2022-10-11T02:27:14.021Z"},"manufactured":{"2022-10-11T02:27:03.638Z"},"shipped":{"2022-10-11T02:27:29.021Z"},"stocked":{"2022-10-11T02:27:42.050Z"},"labeled":{"2022-10-11T02:28:17.992Z"},"state":{"labeled"}}}
ec2-user:~ $
```



What's left to do?

- Task 1
- Task 2
- Task 3
- Task 4
- Etc

Don't panic.

We do not expect that your project is done or even nearly done.

Simply give a list of the major tasks that you need to accomplish to complete your project.

Only include things that are relevant to your software system.

Do NOT include things such as "Update the Project Plan" or "Create Project Video."

Delete this textbox.

Questions?

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