

The Stock'Em Team
CSCE 606 Software Engineering
Sprint Plan #1

The Team –

Mark Sturtevant - Scrum Master

Alisha Raj -

Vinay Singh

Simran Kaur

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Tanishq Chopra

Ishaan Rawal - Product Owner

Customer Meeting Date/Time –

Contact: Paul Taele

Current Meeting Times: Every Monday 1:30 pm - 2:00 pm, Zoom

Summary –

Our target audience/stakeholders are CSCE capstone professors who desire a new web service to simplify the process of managing the inventory of expensive items that will be checked out by students as they do their projects. Such a solution to this involves managing a database of items to (a) give all relevant information and history about an item, (b) tracking which items are checked out by which students, and (c) having an easy-to-understand AI to allow for this information to be quickly updated. In doing so, security is a top priority as only professors or verified TAs should be able to authenticate these assignments of items.

Our application will meet these needs by utilizing Ruby on Rails to achieve the three points listed above by incorporating a database model with a frontend UI, all while being authenticated by an SSO to achieve the three points above whilst maintaining security. As time permits, we can further embellish this project by giving support for student inventory requests or

notifying professors when relevant inventory items have not been returned on time.

User Stories –

- I'm a new user, I need to create an account (sign-up) using google account(mp) and then I should be able to login.
- I'm a global admin, I should be able to login to the app (with some predefined credentials or google account and then get authorized.)
- [STRETCH] I'm a global admin, I should be able to authorize new accounts and assign roles.
- I am a facilities manager who wishes to know where every item in inventory can be found.
- I am a professor who wishes to obtain an item from inventory for one of my capstone groups.
- I am a facilities manager who is relocating many inventory items from one building to another and want some means to record this.
- I am a professor who wishes to know the wear-and-tear on an item before I check it out for my students.
- I am a professor who needs to know where to find an item in inventory when I check it out.
- I am a facilities manager who needs to know who to contact when a capstone team has not returned their item in time.
- I am a student who has lost an item and need some way to report this.
- I am a professor who wishes to add a special note about an item such as how it should be used, important details, or more.
- I am a facilities manager who wants some method to determine if an item in inventory needs to be replaced.
- I am a student who has just damaged an item and need some way to report this.
- I am a professor who wishes to know which items of a certain category (i.e. smartphones) are available for checkout.
- I am a student who wishes to check-in an item that another one of my teammate's checked out.

- I am a student who received a faulty item and want to report it and request for a new item.

(Future User Stories)

1. I am a senior Capstone professor who wants to ensure that all inventory updates must go through verified professors.
2. I am a professor who wishes for a convenient way to know which teams have not checked-in their items by the end of the semester.
3. I am a professor who wants an especially fast method of processing student inventory requests.

User Interface Screenshots –

Four page ideas–

Excalidraw :

https://excalidraw.com/#json=rAieuH1OVrFhz5lvKzxZH,WI2wOK_RIkBCmvAnxqI3bA

Item Information Page



Details About ITEM_NAME

Item Name: ITEM_NAME
Serial Number: SERIAL_NUMBER
Category: CATEGORY
Quality Score: SCORE (Good Quality)
Available: YES/NO



image

[Go Back](#)[Checkout](#)

Item History

Relocation on 09/22/2021
Given to Professor: Pauline Wade
New Approximate Location: Peterson Storage

Checkin on 08/27/2021
Returned by Mark Sturtevant
Given to Professor: Pauline Wade
New Approximate Location: Wade's Attic
Details: Item Sustained slight damage



Checkout on 04/23/2021
Given to Mark Sturtevant
Class: CSCE 606-600
Assigned Professor: Philip Ritchey
Details: N/A

Notes

06/28/2024: Scratches on side of device, small but there

09/21/2024: Home button seems to not work very well

09/28/2024: Item was Lost :(




 Hinted search text 

☒ Only Show Available Items

A

Header




Subhead



A

Header




Subhead



A

Header




Subhead



A

Header




Subhead



A

Header




Subhead



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User Profile Page



Name: Student 1
Role: Student
UIN: 12345678
Email: student@tamu.edu
Phone Number: XXX-XXXX
Details: N/A

Welcome / Login Page

Stock'Em

Welcome To
Stock'Em

Sign in

Register

The Stock'Em Team, 2024

Sprint Backlog –

Sprint Goal: The goal of this sprint is to build all of the basic infrastructure of the Rails application alongside any necessary design sheets for development.

Tasks:

- *User Story: I am a professor who wants to be able to store a large list of fields for each item, including item details, history, responsible persons, etc. [Infra]*
- Database UML Diagram **ISHAAN**
 - Turn Database Design into Official UML diagram
 - (maybe) some other UML diagrams too

- *User Story: I am a user of the Capstone Inventory Management service who wants to ensure no bugs will occur while I'm using the system.*
- Database & Authentication Tests Cucumber Tests **ALISHA**
 - No view / app interaction yet; just test that certain fields exist in the database
- *User Story: I am a professor who wishes for a hosted application that I can use to manage Capstone inventory.*
- App Creation & Database Migrations **VINAY**
 - Will be the first push to the github to create the rails app
 - Add the database migrations
 - Heroku Creation and Migration
- *User Story: I'm a new user, I need to create an account (sign-up) using google account(mp) and then I should be able to login.*
[Backend]
- Authentication **SIMRAN J**
 - Google SSO Authentication Support
- *User Story: I am a facilities manager who wishes to know all of the information about an item, including location data, who to contact, and any item history.*
- Frontend: Item Information Page **MARK**
- *User Story: I am a professor who wants to be able to see all available items for checkout at once.*
- Frontend: Home / All Items Page **SIMRAN**
- *User Story: I'm a new user, I need to create an account (sign-up) using google account(mp) and then I should be able to login.*
[Frontend]
- Frontend: Login Page **TANISHQ**

Links –

GitHub Repo: <https://github.com/LOGiC31/Stock-Em>

Ticket Management: <https://github.com/users/LOGiC31/projects/1>

Slack: <https://tamu.slack.com/archives/C07PGFSLJV8>