Software Requirements Specification

(SRS) Document

Spartan Auction

09/26/2024

Version 1

Annica McLean, David Williams, and Jasiara Mayes

1. Project General Description

The goal of Spartan Auction is to allow UNCG students to bid on other student’s items and to sell their own items. The Spartan Auction app allows students to search for items, get recommendations for new items, place bids, and monitor their activity while using the app.

2. Product Features

Spartan Auction is designed to help UNCG students be able to bid on different products in the community. Below are the key features and functions that defines the application:

Profile Creation: This allows our users to create profiles that will allow them to use the app to the fullest and communicate with one another whether buyer or seller.

Search Functionality: The users can easily search for any auction on the app using the search functionality built in. This will allow buyer to easily find what they are looking for and sellers to see what price they should start their bidding at.

Adding Bids and Bidding: UNCG students can add items they would like to auction onto the app, with a few clicks of a button. They can also bid on an item with a few clicks as well.

Popular and New Bid: Spartan Auction has a homepage that will show a mix of new auctions and popular auctions people are looking at to see if the user would like to bid on the auctions in question.

3. Functional Requirements

- FR0: The app will allow users to create a profile.

- FR1: The app will allow users to modify their profile.

- FR2: The app will allow sellers to auction off items.

- FR3: The app will allow users to search for items.

- FR4: The app will allow users to search for other users.

- FR5: The app will allow users to leave reviews for other users.

- FR6: The app will allow sellers to review the reviews left for them.

- FR7: The app will allow sellers to reply to the reviews left for them.

- FR7: There is no separation between users and sellers.

- FR6: The app will allow users to bid on items.

- FR7: All accounts will be protected by a login and password.

- FR8: The administrators will be assigned.

- FR9: Administrators will be able to delete any bids.

- FR10: Administrators will be able to manage all accounts.

-FR11: Administrators will be able to delete any items being auctioned.

- FR12: Administrators will be able to see how users are using the app.

4. Non-Functional Requirements

- NFR0: There should be 3 to 5 different bids depending on the size of the device per row. So, the user will not be overwhelmed by how many bids there are on the screen.

- NFR1: The bids should be easy to see on the screen so anybody can easily read it no matter what device you are using.

- NFR2: The app needs to have UNCG colors of navy, gold, and gray.

- NFR3: Home screen should be easy to access on any other screen.

5. Scenarios

a. Users – Annica McLean

**i. Create their profile (Sign Up)**

* **Initial Assumption:** The user has internet access and can get to our website.
* **Normal:** The user will be presented with the home screen. Then they will be able to click on a button that will lead them to the sign-up page. From there they can type in their information to create an account.
* **What Can Go Wrong:** The user can type in an email that has already been used to create an account.
* **Other Activities:** The user can go back to the home screen. The user can change to login instead.
* **System State Completion:** The user now has a profile that they can go to and now can start bidding on items.

**ii. Sign into their profile (Login)**

* **Initial Assumption:** The user has internet access and can get to our website.
* **Normal:** The user will be presented with the home screen. Then they will be able to click on a button that will lead them to the login page. From there they can type in their information to login.
* **What Can Go Wrong:** The user can enter in a wrong email address or password not allowing them to login to their account (if they have one).
* **Other Activities:** The user can go back to the home screen. The user can change to sign-up instead.
* **System State Completion:** The user is now logged in and can now start to bid on items or look at their profile.

**iii. Modify their profile**

* **Initial Assumption:** The user has internet access, has navigated to our website, and has already logged in.
* **Normal:** The user will be on the home screen. Then the user will click on the profile icon. Next the user will be shown their current information. The user will click on an edit button. The user will edit their profile.
* **What Can Go Wrong:** The user can enter in information that could be inappropriate or inaccurate. The button to complete the editing could not be working.
* **Other Activities:** The user can cancel editing their profile.
* **System State Completion:** The user has updated their information to give a more up to date profile.

**iv. Search for items and other users**

* **Initial Assumption:** The user has internet access and has navigated to our website.
* **Normal:** The user will be on the home screen. The user will click on the search bar. Then the user will type in the item or user they would like to search up. After that the user will click on the search icon.
* **What Can Go Wrong:** The user has entered in something that does not exist or is not the name of the user.
* **Other Activities:** The user can scroll through the home page and look at other items. They can also click on their profile icon or the login and sign-up button depending on if they are logged in or not.
* **System State Completion:** The user can see items and users that are related to the search they have just completed.

**v. Leave reviews for other users**

* **Initial Assumption:** The user has internet access, has navigated over to our site, is currently logged in, and has won an auction.
* **Normal:** The user will click on their profile. The user will see a tab for previous auctions they have won. The user will click the tab. The user will see a list of the item they won and the user with a link that will say “would you like to leave a review?”. From there the user will click on the link and will be able to fill out the review.
* **What Can Go Wrong:** The user has not won an auction so there is no one to review. The user has already written a review for every auction they have won.
* **Other Activities:** They can cancel writing the review for the other user. The user can also go back to the home screen.
* **System State Completion:** The user has written a review for the user they had won an auction for.

**vi. Bid on items**

* **Initial Assumption:** The user has internet access, has navigated over to our site, and is already logged in.
* **Normal:** The user is on the home screen. The user chooses an item to bid on. They are taken to a screen to see the bid in full view. The user clicks on a bid now button. A tiny screen appears showing the current bid and a box to type in their bid. The user types in their bid and clicks the Submit bid button.
* **What Can Go Wrong:** The user enters in a bid that is not higher than the current bid. The user tries to bid, but the time is up by the time they do bid. The user could not have any money for the bid to go through if they win.
* **Other Activities:** The user can cancel the bid.
* **System State Completion:** The user has submitted a bid that is higher than the current bid and now they currently have the highest bid till the auction ends or someone else outbids them.