

SENG365 2018: Web Computing Architectures

User story backlog for the two assignments

Version 1.4; 18 May 2018

1 Overview

This document summarises the user stories that should be implemented in the two assignments. Assignment 1 implements a web server to provide the 'back-end' for these stories. Assignment 2 implements a web client to provide the 'front-end' for these stories.

2 Required stories

1. As a potential Buyer, I'd like to view Auctions based on their status
e.g. all, active, expired.

Acceptance criteria:

The Title and *main* Photo (if any) for each Auction must be shown.
If there are more Auctions than easily can be shown in a single list or view, then

2. As a potential Buyer, I'd like to see only those Auctions whose title contains some characters, words or a phrase so that I can find the Auctions that are of most interest to me.

Acceptance criteria:

The Auctions shown can be restricted to only those whose *title* field contains a provided string of characters, a word or a phrase.

3. As a potential Buyer, I'd like to be able to filter the Auctions shown by category so that I can easily see those Auctions I'm most likely to Bid on.

Each Auction belongs to one and only one category, set when the Auction is created.

Acceptance criteria:

Auctions can be filtered by Category.

Only those Auctions within that Category are shown (otherwise as for Story 1)

4. As a potential Buyer, I'd like to see the details for an Auction, to help me decide if this is something to bid on.

This would probably be done by clicking on an Auction in the Overview.

Acceptance criteria:

General Auction information shown must include: Title, Seller, Auction start date, Auction end date, Description, the current Bid and the Bid History.

The Auction may also have one photo shown. The photo should be shown. If there is no auction-specific photo, the generic (default) photo should be shown.

The full Bid History does not need to be initially shown, but if not, there must be a hide/show-type of mechanism to easily see the full history without leaving the Auction details page.

The Bid History must be in DateTime order, with the most recent bid at the top. For each Bid, the Bid amount, Bid DateTime, and bidder's username must be shown.

5. As a potential Buyer or Seller I'd like to self-register as a User¹ on the app so that I may access features that require me to be authenticated.

Acceptance criteria:

Any unregistered Person can self-register by providing a real name (given name and family name), a unique username, a unique email address and a password. The password must not be shown in clear text.

Any non-empty string is acceptable as a password (no strength checking should be done.)

The email address must be unique and of a valid form (e.g., according to the [W3C HTML5 spec](#) as used by ajv, or similar)

The Person will be authenticated (logged on) immediately on submitting a correct registration.

6. As a User, I'd like to be able to login and logout from the app so that I can complete tasks that require authentication and authorization such as buying and selling.

Acceptance criteria:

A User (registered Person) must be able to login to the app using their password and username or email.

A logged-in User (and only a logged-in User) may logoff. The User is no longer authenticated when logged-off.

You can assume that no more than one User will be logged-in at a time to the app.

7. As a potential Buyer, I want to be able to Bid on an Auction.

Each Auction will follow the English Auction model where each bid must improve on the last bid, and the highest bid at the end of the Auction wins.

Acceptance criteria:

Each Bid must increase the current Bid. A new Bid cannot be for less than the current Bid.

8. As a User interested in selling at auction, I'd like to be able to create a new Auction.
Each Auction has a single Seller.

Acceptance criteria:

The (authenticated) User who creates the Auction is the Seller.

The following additional information must be provided to create an Auction:

Title, Auction start date, Auction end date, Description, and Category ID.

An Auction may have zero or one photos.

9. As a Seller, I'd like to be able to modify an Auction before the first bid has been placed so I can correct any errors or mistakes, or to adjust pricing (for example.)

Acceptance criteria:

No changes at all are possible to an Auction once the Auction has started

Before that point, any of the information provided when the Auction was created may be modified. The auction's single photo can be added, deleted, or replaced by another image.

10. As a Buyer, I'd like to see the Auctions in which I was the winning bidder so I can track my successes and plan to make payment and collect the items if necessary.
Acceptance criteria:
A Buyer will have the option to view all Auctions, and only those Auctions, in which they were the winning bidder.
11. As a Buyer, I'd like to see the Auctions on which I have bid so that I can plan my bidding strategy.
Acceptance criteria:
A Buyer must have the option to view all in-progress Auctions (and only those Auctions) in which they made a Bid.
12. As a Seller, I'd like to see only the Auctions I've created that are yet to complete so that I can easily track their progress.
Acceptance criteria:
A Seller must have the option to view all in-progress Auctions (and only those Auctions) in which they are the Seller.
13. As a Seller, I'd like to see only the Auctions I've created that have completed with a winning Bid so I can plan to receive payment and arrange for collection or shipping.
Acceptance criteria:
A Seller must have the option to view all completed Auctions (and only those Auctions) in which they were the Seller and which completed with at least one bid.
14. As a Seller, I'd like to see only the Auctions I've created that have completed without a winning Bid, so that I can decide if I wish to relist the item.
Acceptance criteria:
A Seller must have the option to view all completed Auctions (and only those Auctions) in which they were the Seller and which completed without a single bid.
15. As a User, I'd like to be able to view *my own* information.
Acceptance criteria:
The User must be logged in (authenticated).
The authenticated User CAN see the following information about themselves: username, given name, family name, email, account balance.
16. As a User, I'd like to be able to edit *my own* information
Note: this user story is simplified from what might occur in a real system.
Acceptance criteria:
The User must be logged in (authenticated).
The authenticated User edit the following information about themselves: given name and family name.
17. As a User, I'd like to be able to view a limited amount of *other Users'* information.
Note: the GET /users endpoint to get *all* users is not available. As a consequence you

will likely only be able to view other users' information from a returned list of actions e.g. the seller of the auction or a bidder.

Acceptance criteria:

The User must be logged in (authenticated).

The authenticated User CAN see only the following information about other

Users: username, given name, family name

The authenticated User CANNOT see the following information about other

Users: Email, account balance, and password