Develop from scratch a project as described below:

Create an auctions website similar in many ways to ebay wherein a user can post items they have for sale. All new users to the site start with $1000 which they can use to bid with. Once logged in the home page has a table of all current bid that can accessed leading to details on a separate page. From the details page users can bid on all auctions up to the amount of their remaining funds. After an auction ends, it pays out the proper amount to the auction poster.

NOTE: *The project should have and follow a pre-defined architecture and follow certain design patterns. Use the code-first approach.*

Required Technologies: .NET Core, Entity Framework

Required Features:

- Login (validation); Registration (validation); Logout
    - Username must be greater than 3 but less than 20
    - Password must be at least 8 characters long
    - All other fields are required
- Should not be able to navigate to any page outside of Login/Registration without first logging in.
- A newly created user should start with $1000.00 in their wallet
- Current Auctions should be listed ascending according to time remaining
- Once an auction ends it should no longer be listed in the current auctions table
- Upon an auction ended the highest bidder must transfer the required amount to the auction poster.
- This value should be accurately reflected on the current wallet of both accounts
- Creation of a new auction require all validations to be displayed correctly
- Current user has the ability to delete auctions that they have created
- You must be able to deploy your work to Amazon EC2 or Microsoft Azure and provide the IP address or subdomain/domain name to where your work has been deployed.
- Clicking an auction title load the bidding page that lists all information about that auction
- Implement and use dependency injection
- Implement logging on a file
- Add the project to source control. *Commit and update your code on a daily basis. Do not push all the files at once.*

Login

Username [_____]

Password [_____]   [Login]

Registration

Username [_____]   First Name [_____]

Password [_____]   Last Name [_____]

Confirm Password [_____]   [Register]

Validations should work on both Login and Registration.

A Web Page

http://

Current Auctions   Hi Dylan!   Logout

Product	Seller	Top Bid	Time Remaining ▼	
Artist's Hat	Ethan	$1000000	0 Days	
Super cool stuff	Dylan	$27	1 Day	Delete
My Soul	Tim	$1	4 Days	
Juicy Dude	Ethan	$156	4 Days	
Tim's soul	Kris	$599	6 Days	

[New Auction]   Your Current Wallet: $567.24

A new user's wallet should start with $1000.00.

Listings should be sorted by time remaining ascending.

Once an auction ends the winning bidder should transfer money to the one who posted the auction.

A Web Page

http://

New Auction   Home   Logout

Product Name   Starting Bid
[_____]   [_____]

Description

End Date
[_____]   [07/05/2016] 📅

[Create Auction]

Product name and description must exist. Product name must be greater than 3 in length and description must be greater than 10.

Starting bid is the price the auction starts at. Starting bid must be higher than 0. End date must be some time in the future.

A Web Page

http://

Artist's Hat   Created by: Ethan   Home   Logout

Time Remaining: 2 days

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Current Highest Bid: By Mr. T. C. Moneibags

$1000000   [Your bid goes here...]

                                [Bid!!]

Page displays information for a single auction. Here you can see the max bid and place a new bid. New bids must be higher than the previous bid and no higher than the user's current wallet.