Product Backlog

**1. User Authentication**

* User Story: As a user, I want to create an account and log in.
* User Story: As a user, I want to reset my password if I forget it.
* User Story: As a user, I want to edit my profile information.

**2. Item Listing and Browsing**

* User Story: As a seller, I want to list items for auction.
* User Story: As a buyer, I want to browse and search for items.
* User Story: As a buyer, I want to view detailed information about an item.
* User Story: As a buyer, I want to see item recommendations based on my preferences.

**3. Bidding and Notifications**

* User Story: As a buyer, I want to place bids on items.
* User Story: As a seller, I want to set a reserve price for my items.
* User Story: As a user, I want to receive real-time notifications when I'm outbid.
* User Story: As a user, I want to see my bidding history.

**4. Auction Management**

* User Story: As a seller, I want to manage my active auctions.
* User Story: As a seller, I want to close an auction when it's over.
* User Story: As a seller, I want to view the winning bid and buyer information.

**5. User Interactions**

* User Story: As a user, I want to send messages to other users.
* User Story: As a user, I want to leave feedback and ratings for buyers/sellers.
* User Story: As a user, I want to report suspicious or inappropriate listings.

**6. User Preferences and Recommendations**

* User Story: As a user, I want to set my item category preferences.
* User Story: As a user, I want to receive personalized item recommendations.
* User Story: As a user, I want to see trending items in my preferred categories.

**7. Admin Dashboard (if applicable)**

* User Story: As an admin, I want to monitor and manage user accounts.
* User Story: As an admin, I want to moderate listings and user interactions.

**8. Security and Privacy**

* User Story: As a user, I want my personal information and transactions to be secure.
* User Story: As a user, I want my data to be kept private and not shared without my consent.

**9. Testing and Quality Assurance**

* Task: Develop unit tests for critical components.
* Task: Perform manual and automated testing to ensure the application is bug-free.
* Task: Implement load testing to ensure the system can handle concurrent users.

**10. Deployment and Infrastructure**

* Task: Set up hosting environment for the frontend and backend.
* Task: Deploy the application to a production server.
* Task: Configure monitoring and error tracking tools.

**11. Documentation**

* Task: Create user documentation explaining how to use the website.
* Task: Document the architecture and codebase for future reference.