Proposal for Auction Site Project

**Team:**

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**What:** The project idea we have decided to make for Scalable cloud computing project is Auction Site in Django Python using Rest API web services. Auction would allow login for Buyers and Sellers also guest users who can search Site listings without registering or logging in. Sellers would add the site for the auction and on the other hand the users will be able to bid on items. The listings page will show the current active action listing, this page will show the title, description, current highest bid, and photo with search facility with Map Marker on each profile page showing location of property. There is Receipt tracking service for the buyers and sellers and also simple dashboard. Please find below the functional and non-functional requirements:

**Functional Requirements:**

1. Login for the Buyers and Sellers.
2. Upload/add/edit property profiles.
3. Listing’s search.
4. Buyer and seller conversation and tracking.
5. Search Facility.
6. Receipt scanning and expenses tracking.
7. Dashboard.
8. Auction winners and losers get an email whether they won or lost the bid.

**Non-Functional Requirements:**

1. Password policy for user registration.
2. Once registered they should be able to see their messages and responses from Sellers and Agents.
3. Application should allow only signed in users.
4. Auto scaling.
5. Monitor the server and Database.
6. High availability.
7. Maintaining the Integrity of the Specifications.
8. Regular backup of database

**Why:** This project idea gives opportunity to the people to buy and sell property online without involving estate agent between buyer and seller. It eliminates the schedule constraint that means bidder can bid any time and from anywhere. The bidding process can be conducted on a global scale which accomplishes the objective of scalable cloud computing.

**How:** The project is going to be developed Django Python using Azure cloud. The BLOB storage will be used for storing the images and relational database for storing the users and listings. The project will be created using REST API web services. Monitoring service will monitor the application and server.