Description[¶](https://github.intuit.com/pages/poolhiring/interview-questions/fullstack/craft/MarketPlace/#description)

You are building a Market Place where people can post contract jobs to be performed. The jobs are bid on in an auction format similar to eBay but for jobs/tasks instead products.

The Market Place has two actors:

1. Poster: Person looking for someone to complete a specific job/task.
2. Bidder: Self-employed individual that is bidding on work at a fixed price.

Product Requirements[¶](https://github.intuit.com/pages/poolhiring/interview-questions/fullstack/craft/MarketPlace/#product-requirements)

* The site has a home page that:
  + Displays the 10 most recently published job postings.
  + Displays the top 10 most active and open jobs (measured by number of bids).
  + Includes a link to publish a new job posting.
* The site has a page allowing new jobs to be posted that:
  + Displays a form collecting the following data points:
    - Job description with maximum length of 16KB.
    - Job requirements with maximum length of 16KB.
    - Name and contact info of the job poster.
  + Displays the current lowest bid amount.
  + Displays the number of bids.
  + Displays the auction expiration date/time and time remaining to bid.
  + Includes a form for placing a bid.
* The system:
  + Automatically closes bidding when the posting expiration date/time is reached.
  + Automatically assigns the lowest Bidder as the winner of the auction when the auction is closed.
* Extend these requirements as you see fit to create a positive user experience.

System Targets[¶](https://github.intuit.com/pages/poolhiring/interview-questions/fullstack/craft/MarketPlace/#system-targets)

* There are 100K registered Bidders with 2K new Bidders registered per day.
* 1k jobs are posted every day growing at a rate of 250 jobs per week.
* Every job receives an average of 20 bids.