

Solo Project Proposal

https://github.com/SDBranka/Omni-Tech_Sales_Inc.git

I am making a quote/order based invoice handling system for a company with an outdated website that still handles all business with paper and pen. This application will allow people to view in-house services and product lines available, build a quote, and submit it for further internal processing.

Must do:

- Project
 - Use of Django Templating engine (loop to render db data, conditional rendering)
 - Use session, urls, and hidden inputs to hold/pass information for logic checks or future redirects
 - Application includes protected route (user must be in session to view)
 - Application features static content (CSS, images)
 - Use templating logic to vary what is displayed on screen depending on condition
 - Use pagination
 - Use ImgField to allow upload and display of product/service images
 - Use distinct randomly generated reference numbers for the quotes
 - Have a superuser to allow Django admin usage
- Store Front
 - Log and Reg with validations
 - Convert status on quote as it is submitted
 - Allow all people to view storefront, products, services, and information
 - Limit deletion/modification of some information/objects depending on condition
 - Allow logged in users:
 - view/modify their account information
 - to build a quote
 - to submit quote
 - to view information on their 6 most recent quotes and orders
 - with appropriate security clearance to access the admin UI

Nice to have:

- Project
 - Build the admin UI
 - Be fully validated on all forms
 - Develop clearance/access levels depending on security level held by each user
 - Application is publicly deployed
- Store Front
 - Build out detailed order and quotes pages
 - Build out detailed product information pages

- Build in accessory information pages
- Build review system for products/services
- Display combined item and total quote price
- QA/improving styling
- Users
 - will be able to store and re-access quotes
 - will be able to change password
- Admin UI
 - Allow admin users:
 - to see incoming and/or important quotes/information on home page
 - to add products and categories to the catalog
 - to edit user security clearance
 - to edit products, their categories, and their images
 - to edit/process quotes and orders

Although hypothetical for the case I am addressing as they do not directly sell objects, I would like to build in a separate products section to accommodate all physical items (not in the category of “services”) that such a site could sell/allow it to be in place for potential expansion.