A1. BidBay

This project intends to specify and develop an information system with a web interface to support an online auction service, that allows users to auction and bid on a wide variety of goods worldwide.

BidBay is essential, not only because there is a need for a marketplace, where users can do all of their shopping (new, second hand, handcrafted or miscellaneous items) where the seller is another user like them, but also because it can offer small businesses a storefront for their products.

Auctions in this system can be seen and searched by any user, registered or not, and be canceled by their creator or by an administrator. When the auction's time expires it is closed. Registered users can create and bid on auctions, rate or send messages to other registered users and personalize their profile, with a picture, description and other personal information. Registered users also have an auction history for their completed auctions on their profile.

Users in this system can be separated into groups with different permissions:
The "Administrator" group which can cancel auctions from the "Registered User" group and block, delete their accounts or delete content.
The "Registered User" group which can create auctions on the system, bid on them, manage their auctions (cancel, update), manage their accounts (delete, update, etc) and interact with the community (messages, rate).
The "Visitor" group which can view and search for auctions in the system.
Any visitor to the website can create a "Registered User" account, while an administrator account can only be created by other administrators.