An *eBay* clone (web application)

Guntakanti Sai Koushik 180050035 (180050035@iitb.ac.in)
Potta Nayan Akarsh 180050074 (180050074@iitb.ac.in)
Mekala Anmol Reddy 180050059 (180050059@iitb.ac.in)
Mavuri Siva Krishna Manohar 180050057 (180050057@iitb.ac.in)

Overview We intend to design and implement an app which facilitates consumer-to-consumer sales like the platforms *eBay*, *craigslist*, *OLX* etc. do. Users will be able to put items on sales and others can bid for them and communicate while buying. We also take into account the location of the buyers to help the sellers reach nearby buyers. *Note:* some of the more advanced features like multi-buyer bidding, location based connections, recommendations based on buying history are subject to being dropped.

- **User Profiles** There is only one kind of profile for both buyer and seller. User makes a profile by giving his details and (with permission) his location. His account is then linked and stored, after which he can add some money to his app-balance which gets updated on making transactions. The buyer and seller both will get rated by each other which contributes to the product rating and their personal rating as as a seller. His purchases are stored which then may be used to make suggested purchases based on his and other people's purchases and associated ratings.

- **Auctioning, Bidding & Finding products** The sellers get multiple bids from all those who want the product (higher than some base price he's set). He's notified of these bids on his profile along with their enquiries. He can now choose someone to trade with. The buyer can search for the kind of product he wants, and he'll be shown the best matches for which he can then bid for and contact the sellers about. He can adjust his bids based on the other bids which he can see. On the approval of the seller he can choose to pay on his own and the handling charges or save money by deducting from the app-balance.

- **Wallet** The user can choose to make trades with his app balance to save money on handling charges. Sellers don't get notified when buyers make bids out of their balance, and buyers are prevented from going beyond their balance.

- **Chatting** The user can chat with the nearby buyers to know further details about the product condition, delivery method etc. from a chatting application linked to his profile.

- **Location** The user can must share his location while buying or selling so that he can be matched with those near him. This will use Maps locations.