

```
graph TD
    UC1((See Data))
    UC2((List Item))
    UC3((Join Auction))
    UC4((Start Auction))
    UC5((End Auction))
    UC6((Bid on Item))
    UC7((See Bid Data))
    UC8((See Updates))
    UC9((Show Winners))

    UC1 -.->|<<includes>>| UC2
    UC1 -.->|<<includes>>| UC4
    UC2 -.->|<<extend>>| UC6
    UC3 -.->|<<extend>>| UC2
    UC3 -.->|<<extend>>| UC4
    UC3 -.->|<<extend>>| UC6
    UC4 -.->|<<includes>>| UC5
    UC5 -.->|<<includes>>| UC4
    UC6 -.->|<<extend>>| UC9
    UC7 -.->|<<extend>>| UC6
    UC8 -.->|<<includes>>| UC6
    UC9 -.->|<<extend>>| UC6
```

The diagram illustrates the relationships between various use cases in an auction system. The use cases are represented by ovals and their interactions by directed arrows, some of which are labeled with stereotypes like <<includes>> and <<extend>>.

- See Data** includes **List Item** and **Start Auction**.
- List Item** extends **Bid on Item**.
- Join Auction** extends **List Item**, **Start Auction**, and **Bid on Item**.
- Start Auction** includes **End Auction**.
- End Auction** includes **Start Auction**.
- Bid on Item** extends **Show Winners** and includes **See Bid Data**.
- See Bid Data** extends **Bid on Item**.
- See Updates** includes **Bid on Item**.
- Show Winners** extends **Bid on Item**.

