

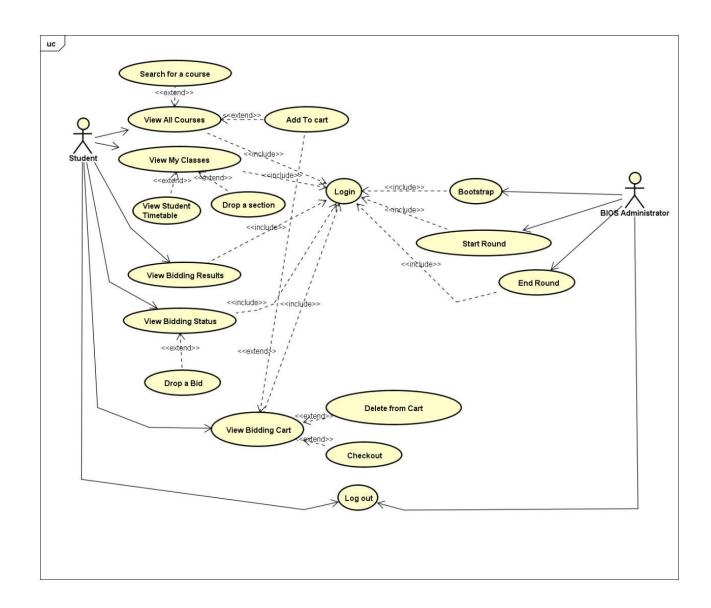
IS203 Software Engineering Final Technical Documents

G6T3

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Use Case Diagram



Use Case Description

Bootstrap:

• Insert data into the database. It will conduct validations and return the correct number of entries inserted, as well as the number of rows with errors

Start Round / End round:

• Admin feature. This feature allows admin to start and stop a round and trigger the system to perform round clearing logic to insert successful bids into database and vice versa.

Login:

 Administrator and students are required to log in to the system to continue accessing other functions

Log Out:

• Admin and student can terminate their session and exit the system.

Search for a course:

• Student is allowed to search for a course via Course code or course title and filter the results into a smaller list.

View All courses:

• Student can view all courses to bid for in current round. Round 1 sees pre filtering to only allow student to see and bid for own school courses only

Add to cart:

 Allows student to add bid for a particular section to shopping cart for review before checking out as a bid.

View My Classes:

• Student can view all enrolled sections for the upcoming semester after the round is closed.

View Student timetable:

• Student can view all enrolled courses schedules as part of a timetable format to allow easier reference.

Drop a section:

• Student can drop a particular section and be refunded full amount to re bid for another section of another module

View Bidding results:

• Student can view the results of a bidding round and all his/her bids when the round is closed, and even when round 2 is started in the homepage and in the view my classes page

View Bidding status:

• Student can view the bid status of all the bids placed.

Drop a bid:

• Student can drop his/her bids after placing his/her bids.

View Bidding cart:

• Allows student to see and review his bids before checkout collectively.

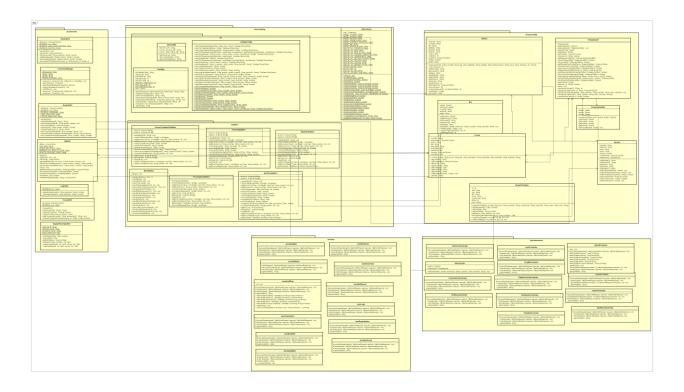
Delete from Cart:

 Allows student to drop a particular shopping cart item to add more items into their cart for checkout

Checkout:

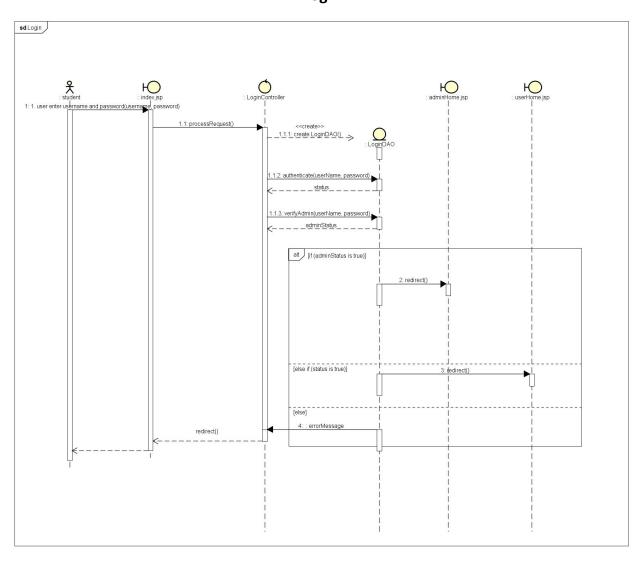
• Allows student to check-out all the bids collectively for easier reference and review.

Class Diagram

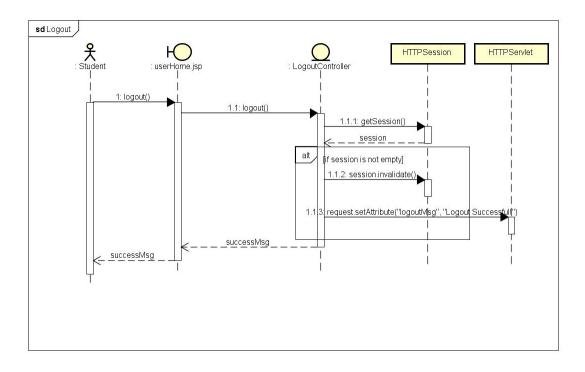


Sequence Diagram

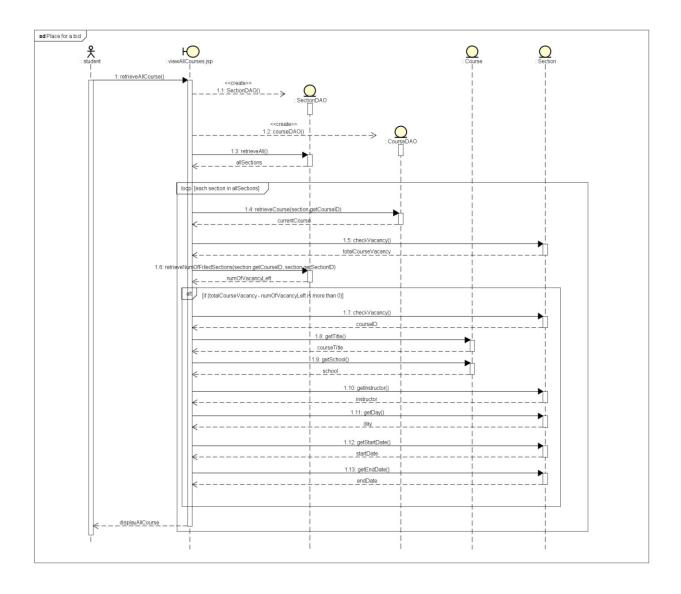
Login



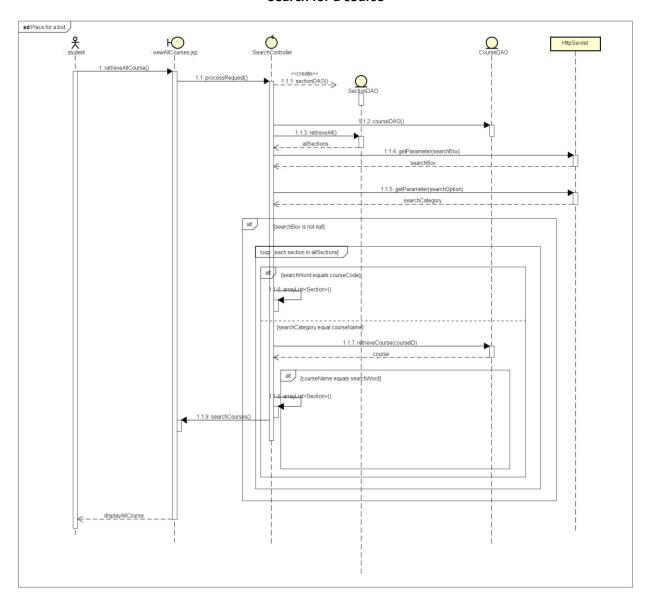
Logout



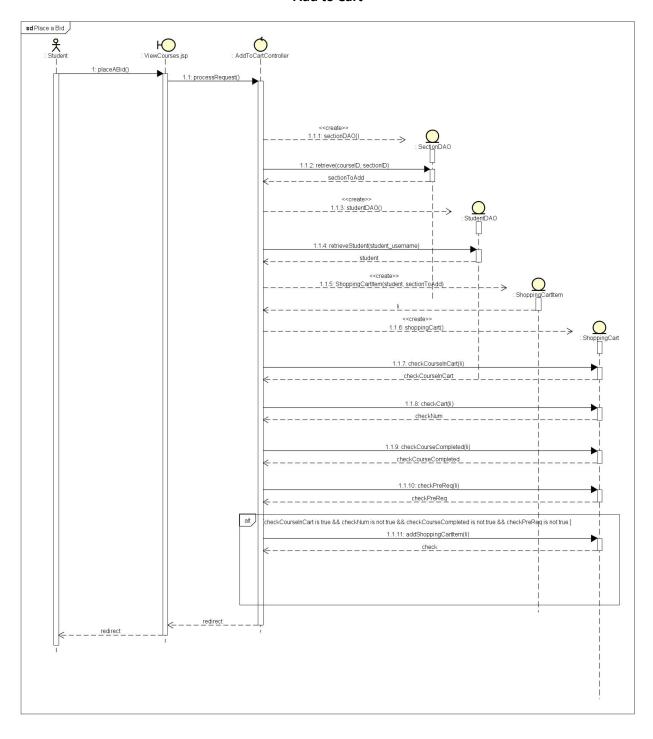
View All Courses



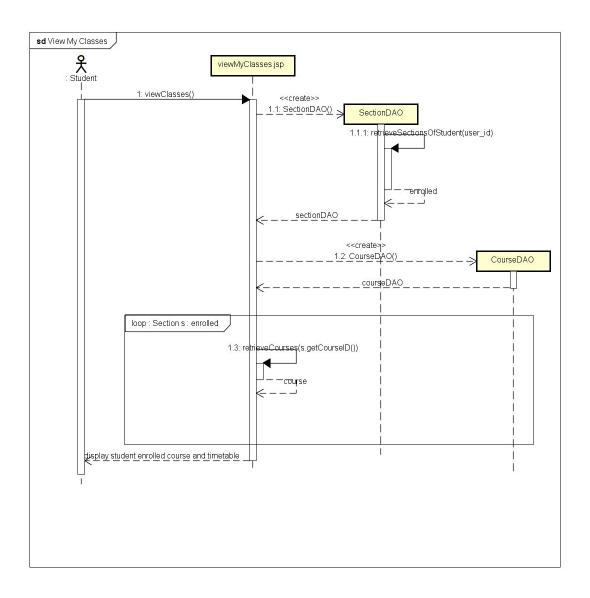
Search for a course



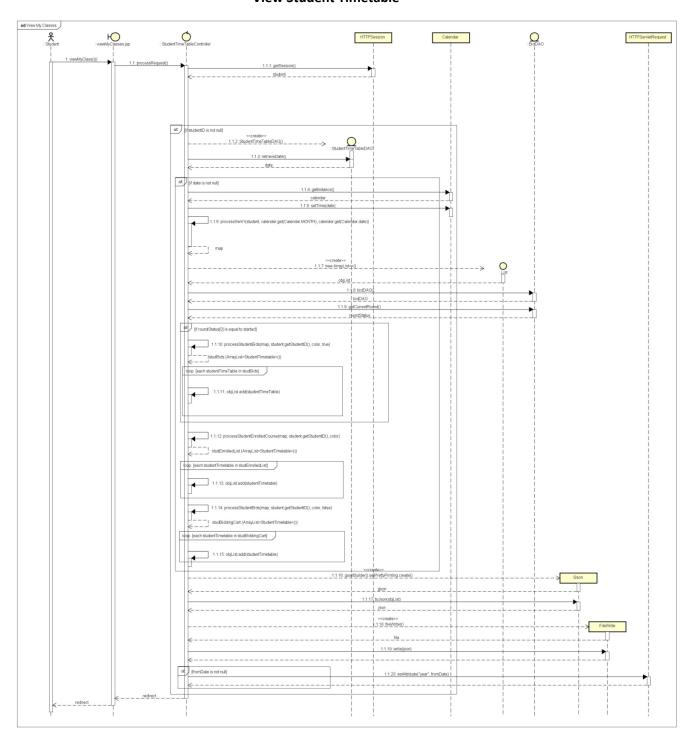
Add to Cart



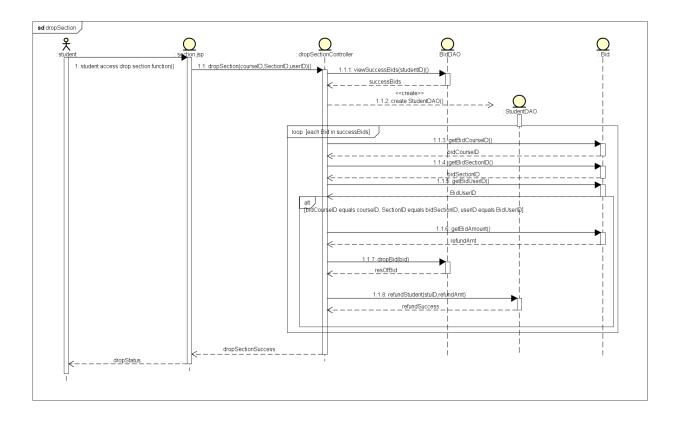
View My Classes



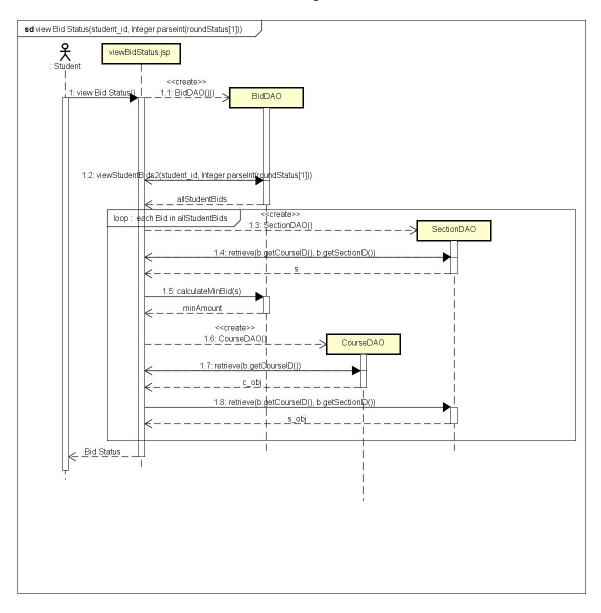
View Student Timetable



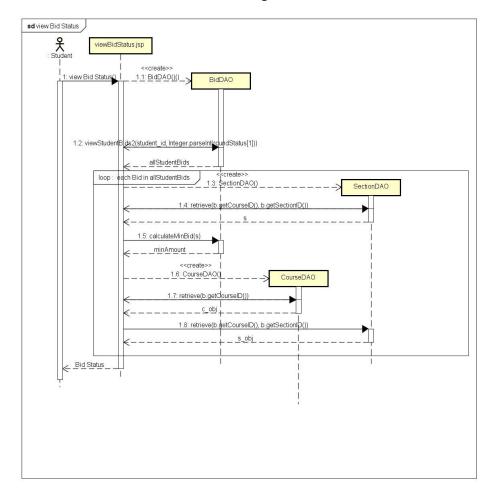
Drop a section



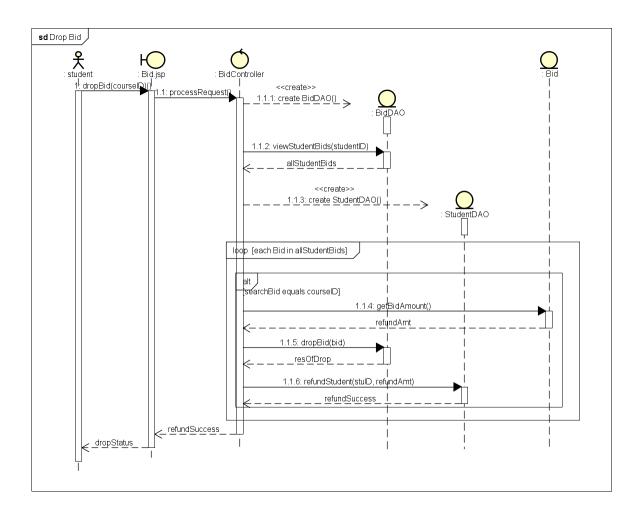
View Bidding results



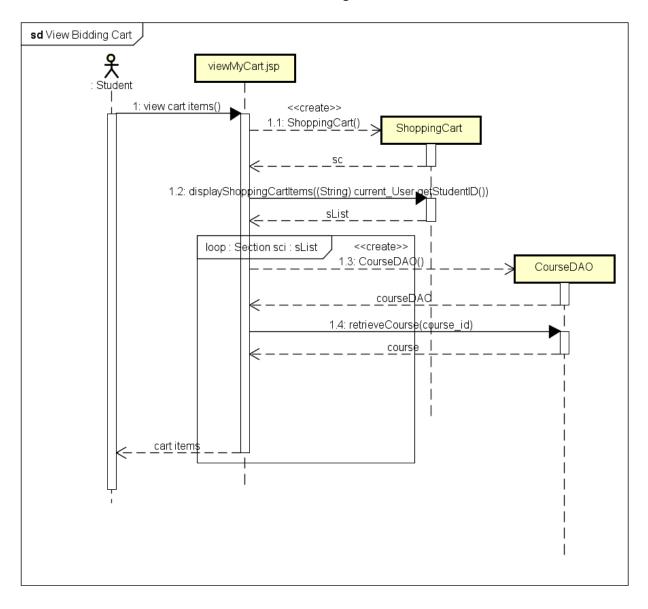
View Bidding Status



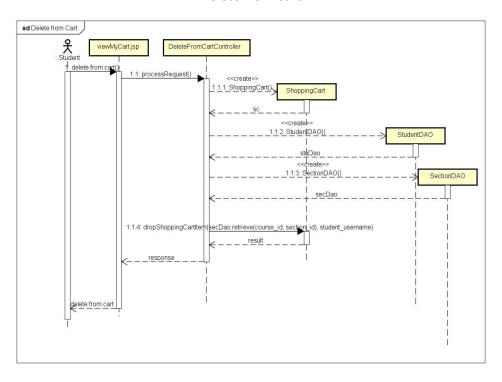
Drop a Bid



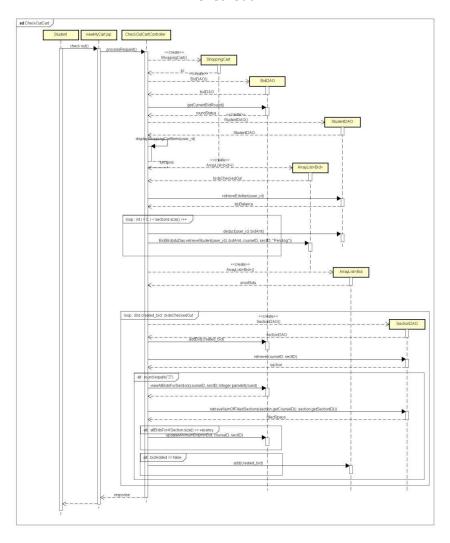
View Bidding Cart



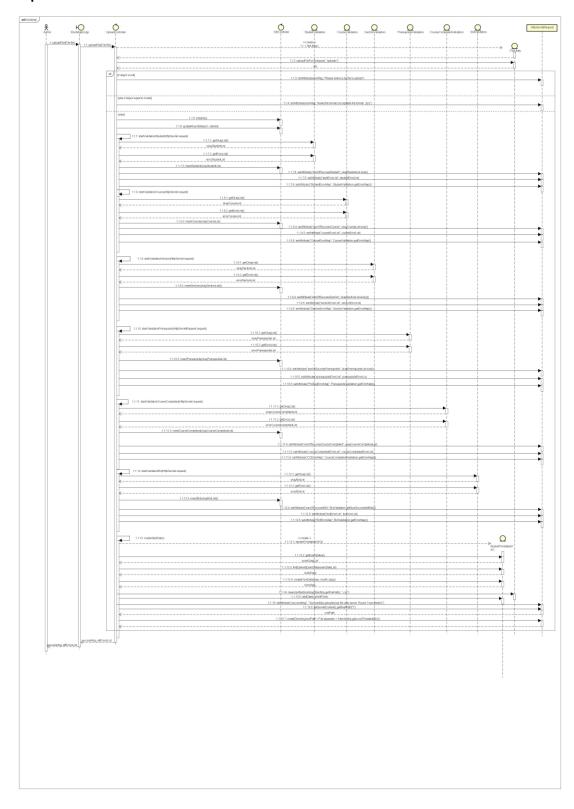
Delete from Cart



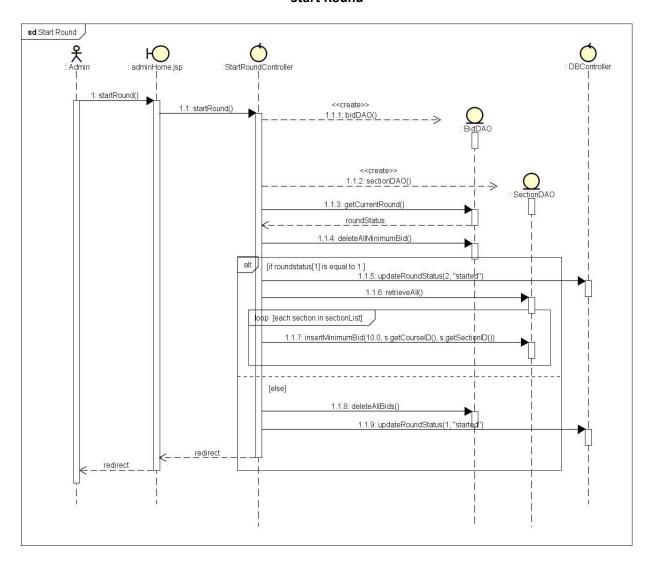
Checkout



Bootstrap



Start Round



End Round

