Queue Problem: Ticket Booking System using queue.

1. Design a simple ticket booking system for a venue using a queue. Each ticket has a name which is added to the queue when booked.
2. This must use a queue interface.
3. Create a class diagram for it.
4. Application should be able to enqueue, dequeue, show isEmpty result and size.
5. Allow the system to show a list of all tickets.
6. Allow tickets to be searched by name.
7. Save the class diagram into the NetBeans folder and commit this to github in a repo called DSA-wk2-queue and paste the link to the form on moodle.

Change your application to process an object that includes ticket holder name, mobile and a ticket number.

Save the class diagram into the NetBeans folder and commit this to github in a repo called DSA-wk2-queue2 and paste the link to the form on moodle.

Stack Problem: Browser History

Design and implement a browser history system using a stack. Each page in the browser history is represented as an object with attributes such as page Url and page Title. Create the class diagram to include the operations below.

The stack should support the following operations:

- push: Add a new page to the top of the stack.
- pop: Remove the page from the top of the stack.
- peek: View the page at the top of the stack without removing it.
- isEmpty: Check if the stack is empty.

Upload to github and paste the link to moodle.