Functionalities to demonstrate:

1. Access patient details from the database
2. Assign patient a triage category
3. Patient gets placed in a treatment room (and message to call patient into treatment room)
4. Patient leaves treatment room after 10 minutes
5. Patient remains in treatment room for an extra five minutes after doctor requests extra time
6. Patient gets placed in queue as all treatment rooms are occupied
7. Patients in queue get organised by triage category and then by waiting time
8. Alter patient’s triage category
9. When a patient’s waiting time reaches 25 minutes, the patient is moved to the front of the queue regardless of triage priority
10. When more than two patient’s waiting time exceeds 30 minutes, a Twilio message and email is sent to the manager
11. When all treatment rooms occupied and an emergency patient arrives, the emergency patient replaces a non-emergency patient in a treatment room. The non-emergency patient is placed at the front of the queue. *Do we have a protocol in our code for which patient is removed from the treatment room? The requirements document states the decision should be based on triage category and then by time since entering the queue – those who entered earliest given priority i.e. the lowest triage and shortest time gets kicked out.*
12. When all treatment rooms occupied with emergency patients and another emergency patient arrives, the emergency patient is placed with the on call team and a Twilio message is sent to the on call team
13. When all treatment rooms occupied with emergency patients, on call team engaged, and another emergency patient arrives, the emergency patient is sent to another hospital (i.e. removed) and a Twilio message is sent to the manager
14. Emergency patient leaves the on call team after 15 minutes
15. When maximum waiting time is under 10 minutes, the queue status code is one
16. When maximum waiting time is between 10 and 20 minutes, the queue status code is two
17. When maximum waiting time is over 20 minutes, the queue status code is three
18. When the queue is full, the queue status code is four
19. When the queue is full a Twilio message is sent to the on call team
20. When the queue is full and another patient arrives, the patient is sent to another hospital (i.e. removed)
21. Search for patients in queue based on triage category
22. Search for patients in queue based on name
23. Search for patients in queue based on NHS number
24. Record of when patients leave treatment room