**Requirements:**

1. Bakerloo line svg taken from Wikipedia.
2. Trains from Harrow & Wealdstone to Elephant & Castle are represented by a Yellow Circle.
3. Trains from Elephant & Castle to Harrow & Wealdstone are represented by Purple Circle.
4. Headway interval between stations can be modified in the Constants (currently set to 30 seconds, modify HEADWAY in constants.js to 180000 if this needs to be 3 minutes as per requirements )
5. Stops at all the stops on the Bakerloo line.
6. The page contains two links, one for fixed speed and other for varied speed.
7. Speed of the train can be modified in Constants   
   (currently set to 20 which equals 308mph)

**Optional Requirements:**

* Add Harrow & Wealdstone to Elephant & Castle service in a separate track (reverse direction) with the same interval, stoppage pattern given above.

Covered this, Yellow Circle & Purple Circles are used.

* Add speed restrictions between some stations so the train moves at a different rate on certain station to station links, e.g Piccadilly Circus - Charing Cross 20mph, whereas all other links train moves at a maximum of 40mph.

Covered this, Speed for the train between stations can be modified in Constants. ARRAY\_SPEED stores the information of speeds.

ARRAY\_SPEED[0] is the speed of the train from Harrow & Wealdstone to Kenton.

ARRAY\_SPEED[1] is the speed of the train from Kenton to South Kenton and so on.

**Key Points**

1. D3 library was used to import the svg file and traverse the train between stations,   
   In addition, Angular JS, Bootstrap, HTML, CSS were used to make the screen look better.
2. I have written the code to cover all the requirements & optional requirements.   
   Exceptions are not handled.