<<requirement>>
Line Detection

text="The vehicle should be able to detect and follow the drawn path without moving out of the desired track."
id="02"

```
                    <<requirement>>
                    Autonomous Car

        text="The autonomous car should be
        able to navigate in it's enviroment from
        it's starting point."
        id="01"
```

```
         <<requirement>>                     <<requirement>>                     <<requirement>>
      Obstacle/Colour Detection                 Routing                       Speed Optimization

  text="The vehicle should be able to    text="The autonomous car should be   text="The autonomous car should be
  detect obstacles based on their colour  able to travel in an oval pattern or an  able to drive at a designated speed"
  on the track and either remove or drive  eight pattern"
  around them."                           id="04"                              id="05"
  id="03"
```

```
                    <<requirement>>
                    Parking

        text="The vehicle should be able to park
        itself in a designated area."
        id="07"
```