10 risks

1. Requirements delivered late (mitigation: contact client to expedite requirements and formulate new time schedule)
2. Design delivered late (mitigation: meet with designers to formulate new time schedule to get an idea on design completion)
3. Supplies delivered late (mitigation: )
4. Unexpected challenges when developing code base (mitigation: permit overtime for developers)
5. Data loss (mitigation: data backups)
6. Natural occurrences delays construction of the gates (mitigation: build in buffer days into the project)
7. Cost of supplies can drastically change from previous estimations (mitigation: use budget reserves)
8. Employees do not know how to do their job (mitigation: employee training/education or hire an expert for specific tasks)
9. Testing runs longer than expected (mitigation: start testing as soon as function is developed)
10. Defective hardware issues arise (mitigation: use contingency funds to replace defective hardware)
11. Testing reveals large security hole in code that needs to be patched (mitigation: hire cyber security professional)

2 ISSUES:

1. Constructions of gates took longer than anticipated on the project schedule (resolution: issue another subcontract to help in the workload)
2. Installed RF sensors do not function as well as anticipated (mitigation: )

10 Actions:

1. Schedule interview with client regarding functional requirements for project
2. Schedule interview with client to review and finalize requirements of the system
3. Order supplies necessary for project
   1. Get price estimates from multiple suppliers
4. Architect and begin development of codebase
   1. Design architects shall meet up to discuss overall design of system that the project will deliver
5. Hold meeting regarding overall design of back-end server
6. Demonstrate application to client
7. Choose a subcontractor to carry out construction of gate frames
8. Set up meeting with Design Lead and Development Lead to walkthrough how the front-end should developed
9. Set up meeting with Test Engineers to go over how the testing environment should be built
10. Set up meeting with Requirements engineers to draft questions before client interview

5 Decision:

1. Requirements interviews will be conducted with all able-bodied requirement engineers present
2. Decide on which technology (backend languages, frontend languages, OS, mobile application languages, and network connections) the project should implement will be made by the appropriate lead (development lead, design lead, etc.)
3. Client reviews will be held monthly to go over overall project development
4. Testing lead and Development lead must meet at least once a week to discuss errors in codebase
5. Requirements engineers shall schedule a meet up interview with client one week after requirements are gathered to confirm the accuracy.