**Functional Requirements**

1. **Automated Report Generation - Process Oriented**
   1. The system will generate a daily report that will allow managers to evaluate the performance of the company based on several metrics.
   2. The system will provide visualizations for data generated in the reports.
   3. The system generate live graphs based off of data gathered every 30 minutes
2. **Manual Report Generation - Process Oriented**
   1. The system will allow users to run queries and generate reports outside of the daily scheduled reports
3. **Automated Time Track Generation - Process Oriented**
   1. The system will allow users to log in when they starting work
   2. The system will allow users to log out when they leave
   3. The system will automatically check the log in time, determine if an employee is late.
   4. If user login time reach the maximum value, user will be automatic log out, and this record will be attach to daily report in Automated report Generation function
   5. The system will automatically calculate daily working hour for each user, those data will be used in other function.
   6. At every Friday, the system will generate weekly working hour report for manager to confirm.
   7. If manager confirm the information of report, report will be send to pay-roll system
4. **Query Management - Process Oriented**
   1. The system will allow users to modify existing queries.
   2. The system will allow users to delete existing queries
   3. The system will enable users to create new queries
   4. The system will allow users to save queries to be executed in the future
   5. The system will enable users to add queries to scheduled reports
   6. The system will enable users to remove queries from scheduled reports
5. **Report and Query Storage - Information Oriented**
   1. The system will store all generated reports for future use
   2. The system will store all generated visualizations for future use
   3. The system will store all generated live graphs for future

**Nonfunctional Requirements**

1. **Operational**
   1. The system should interface with Google Analytics
   2. The system will run on a web based platform
   3. The system will interface with Backpack ‘Em’s Microsoft SQL database
   4. The system will be used through a visual dashboard
   5. The system will have storage capabilities with adequate capacity for storing reports, and live graphs and visualizations
   6. The system need corporate with existed pay-roll system
   7. Employee and Manager will have different interface and access
2. **Performance**
   1. The system must be able to scale with the growth of the company
   2. The system will be updated with new data every 30 minutes.
3. **Security**
   1. Login must be done with a Backpack ‘Em email
4. **Cultural and Political**
   1. Customer data will only be used for internal analytics