**Jhorman German Mera Escobar**

**Nicolás Gómez Botero**

**Mateo Rada Arias**

**Paula Andrea Trujillo Mejía**

**Functional Requirements**

The program must be able to:

1. **Req1. Implement** a tool for handling large information that allows data to be entered, either in bulk (with .csv files) or through an interface.
2. **Req2. Delete** data.
3. **Req3. Modify** data.
4. **Req4. Search** for data.
5. **Req5. Make** player queries using the statistical categories included as search criteria.
6. **Req6. Include** the following items to the data associated with each player: name, age, team and 5 statistics.
7. **Req7. Recover** players according to the selected search category and the value given for it
8. **Req8. Use** balanced binary search trees to quickly access player data so that the search takes O (log n) time for those that have associated indexes.
9. **Req9. Show** the time it takes to make a query.
10. **Req10. Allow** the customer to search on two statistical criteria using ABB as a framework for index management.