**Data Dictionary**

Data Entities:

|  |
| --- |
| DailyTeeSheet |
| <<PK>> Date: date{format=’mm-dd-yyyy’} |

|  |
| --- |
| TeeTime |
| <<PK>><<FK>> Date: date {key=PK, order=1, reference=DailyTeeSheet}  <<PK>> Time: time {key=PK, order=2, format=’hh:mm:ss AM/PM’}  NumberOfPlayers: Number {NumberOfPlayers>=1}  NumberOfCarts: Number {NumberOfCarts >=1}  <<FK>> PlayerFirstName: string{reference=Player, size=15}  <<FK>> PlayerLastName: string{reference=Player, size=15} |

|  |
| --- |
| Player |
| <<PK>>PlayerFirstName: string {key=PK, order=1, size=15}  <<PK>>PlayerLastName: string {key=PK, order=1, size=15}  PhoneNumber: Number {size=10, format=’xxxxxxxxxx’} |

|  |
| --- |
| StandingTeeTimeRequest |
| <<PK>>MemberNumber: Number {size=5, format=’xxxxx’}  MemberFirstName: string{size=15}  MemberLastName: string{size=15}  RequestedDay: DayOfWeek  RequestedTeeTime: time {format=’hh:mm:ss am/pm’ }  RequestedStartDate: date {format=’mm-dd-yyyy’}  RequestedEndDate: date {format=’mm-dd-yyyy’} |

Design Classes:

|  |
| --- |
| CBGS |
| +ViewTeeSheet(Date:date):DailyTeeSheet  +ViewStandingTeeTime(Date:date):StandingTeeTime[\*]  +BooksTeeTime(SelectedTeeTime:TeeTime):Boolean  +SubmitStandingTeeTime(RequestedStandingTeeTime:StandingTeeTimeRequest):Boolean |

|  |
| --- |
| TeeSheet |
| +GetTeeSheet(Date:date): DailyTeeSheet  +AddTeeTime (SelectedTeeTime: TeeTime): Boolean |

|  |
| --- |
| StandingTeeTimeRequest |
| +GetStandingTeeTime (RequestedStartDate:date):StandingTeeTimeRequest[\*]  +AddStandingTeeTime(RequestedStandingTeeTime:StandingTeeTimeRequest:Boolean |

|  |
| --- |
| TeeTime |
| +Date:date  +Time:time  +NumberOfPlayers: Number  +NumberOfCarts: Number  +PlayerFirstName: string  +PlayerLastName: string |

|  |
| --- |
| StandingTeeTimeRequest |
| +RequestedDay: DayOfWeek  +RequestedTeeTime: time  +RequestedStartDate: date  +RequestedEndDate: time  +MemberNumber: Number  +MemberFirstName: string  +MemberLastName: string |

|  |
| --- |
| DailyTeeSheet |
| +Date: date  +RequestedDailyTeeSheet: DailyTeeSheet |

**Test Model**

Test Case: BooksTeeTime – Justin Thomas books tee time for Thursday June 25th 2020, for 7 a.m. for himself.

Input:

BooksTeeTime.cshtml control values

* Date: June 25th 2020
* Time: 7 a.m.
* NumberOfPlayers: 1
* PlayerFirstName: Justin
* PlayerLastName: Thomas
* PhoneNumber: 7808011114
* NumberOfCarts: 1

Result:

Database: Club BAIST Golf System Table: TeeTime

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Date | Time | NumberOfPlayers | PlayerFirstName | PlayerLastName | PhoneNumber | NumberOfCarts |
| June25th, 2020 | 7 a.m. | 1 | Justin | Thomas | 7808011114 | 1 |

-New Row created

Conditions:

Workstation: WB 206- 01

Test Procedure: BooksTeeTime – Justin Thomas books tee time for Thursday June 25th 2020, for 7 a.m. for himself.

* Test Case: BooksTeeTime – Justin Thomas books tee time for Thursday June 25th 2020, for 7 a.m. for himself.
* Enter URL in Internet Browser

<http://localhost/ClubBAISTGolfSystem/BooksTeeTime>

* Enter Date: June 25th, 2020
* Click ViewTeeSheet Button
* Daily Tee Sheet was displayed
* Enter Date: June 25th, 2020
* Enter Time: 7 a.m.
* Enter NumberOfPlayers: 1
* Enter PlayerFirstName: Justin
* Enter PlayerLastName: Thomas
* Enter PhoneNumber: 7808011114
* Enter NumberOf Carts: 1
* Click BooksTeeTime Button
* Message Tee time was booked successfully was displayed
* Verify Results.

Test Case: SubmitStandingTeeTimeRequest–David Toms makes Standing Tee Time Request for June 5th 2020, Monday for 11 a.m. for himself.

Input:

StandingTeeTime.cshtml control values

* MemberNumber: 11231
* MemberFirstName: David
* MemberLastName: Toms
* RequestedTime: 11 a.m.
* RequestedStartDate: June 5th, 2020
* RequestedEndDate: June 5th, 2020

Result:

Database: Club BAIST Golf System Table: TeeTime

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| MemberNumber | MemberFirstName | MemberLastName | RequestedTime | RequestedStartDate | RequestedEndDate |
| 11231 | David | Toms | 11 a.m. | June 5th, 2020 | June 5th, 2020 |

-New Row created

Conditions:

Workstation: WB 206- 01

Test Procedure: SubmitStandingTeeTimeRequest–David Toms makes Standing Tee Time Request for June 5th 2020, Monday for 11 a.m. for himself.

Test Case: SubmitStandingTeeTimeRequest–David Toms makes Standing Tee Time Request for June 5th 2020, Monday for 11 a.m. for himself.

* Enter URL in Internet Browser

<http://localhost/ClubBAISTGolfSystem/SubmitStandingTeeTimeRequest>

* Enter MemberNumber: 11231
* Enter MemberFirstName: David
* Enter MemberLastName: Toms
* Enter RequestedTime: 11 a.m.
* Enter RequestedStartDate: June 5th, 2020
* Enter RequestedEndDate: June 5th, 2020
* Click SumitStandingTeeTime
* Message Standing Tee time was submitted successfully was displayed
* Verify Results.