

(a)

Select if organizer

Organizer

Select if player

Player

Figure 1

round:0 date:4/27 Match Time:0:0
Player ID:0 Player Name:Player0 Player Seed:0

Figure 2

Use "myuser" and "mypass" to login!

User Name Password

Figure 3

1: Create a tournament!

Tournament Name T_ID

2: Create matches!

M_ID Round Date
Hour Minute T_ID

3: Enter Players!

P_ID Player_Name Seed M_ID T_ID

Remove a tournament!

T_ID

Remove a Match!

M_ID

Remove a Player!

P_ID

Figure 4

```
Tournament ID:0 Tournament Name:Tourney1 Organizer ID:1  
Tournament ID:0 Match ID:0 round:0 date:4/27 Match Time:0:0  
record inserted successfully  
Tournament ID:0 Match ID:0 Player ID:0 Player Name:Player0 Player Seed:0  
Tournament ID:0 Match ID:0 Player ID:2 Player Name:Player1 Player Seed:2
```

Figure 5

```
record deleted successfully  
Tournament ID:0 Match ID:0 Player ID:0 Player Name:Player0 Player Seed:0  
Tournament ID:0 Match ID:0 round:0 date:4/27 Match Time:0:0  
Tournament ID:0 Tournament Name:Tourney1 Organizer ID:1
```

Figure 6

(b) To summarize how our website works, we first start at the login page. In figure 1, you can see that you need to choose between user and organizer. If you choose the user, you are given a view of the database (figure 2). If you are an organizer, you need to log in to create a tournament (figure 3). Once logged in, you can add or delete tournaments, as well as players and matches in the tournament (figure 4). In figure 5 and 6, you can see the tournament be successfully created

and then subsequently deleted from the database. The website as of now is mostly as a proof of concept, but it can create a functional tournament that can hold matches and players.

(c) For future implementation, look at the last section of our report