

Team Name: APCS (Apple Peeler Corer Slicer)

Members:

NAMES

- 1) Matthew Skogen
- 2) Ryan Davis
- 3) Asher Farr
- 4) Chad Di Lauro
- 5) John Henry Fitzgerald
- 6) Kamiar Coffey

GITHUB USERNAMEs

- <https://github.com/mskogen>
<https://github.com/ryan-s-davis>
<https://github.com/BillFlan>
<https://github.com/chaddilauro>
<https://github.com/jhff24>
<https://github.com/kamiarcoffey>

User Acceptance Test Plans

1. Registration Functionality

- Test that a new user can be registered and that the correct information is populated in the database
 - Name: TestUser
 - Email: Test.Email@Test.com
 - Verify: Name and Email stored inside of **users** database

2. Login Functionality

- Test that a user can log in after an account had already been registered for them
 - Login using the registered user from test case 1
 - Verify: The user is logged back in based on the generated cookie in the **sessions** database

3. User Preferences Stored

- Test that user preferences were stored in the **users** database
 - Pass Held: Ikon Pass
 - Snow Surface Type: Corn
 - Arrival Time: No Rush
 - Preferred Weather: Cold
 - Verify: pass = "Ikon"
 - Verify: preferred_snowType: "Corn"
 - Verify: preferred_travelTime: "No Rush"
 - Verify: preferred_temperature: "Cold"

Automated Test Cases

1) Testing Registration:

Register

Email address

Username

Password

Confirm Password

Password must contain the following

- ✓ at least one **lowercase** letter
- ✓ at least one **capital** letter
- ✓ at least one **symbol**
- ✓ at least one **number**
- ✓ at least one **8 characters**
- ✓ passwords **match**

Register

Users Database with populated information for new user:

The screenshot shows the MongoDB Compass interface for a local database. The left sidebar displays the 'My Cluster' structure with a collection named 'users' selected. The main panel shows the 'BlizzardKickerDev.users' collection with 2 documents and 3 indexes. The 'Documents' tab is active, displaying two JSON documents in a list view.

Collection Statistics:

Documents	Total Size	Avg. Size	Indexes	Total Size	Avg. Size
2	632B	316B	3	104.0KB	34.7KB

Document 1:

```
{
  "_id": ObjectId("5c088457dc826011332dbc95"),
  "resort_id_list": Array,
  "email": "test_email@test.com",
  "username": "testyMcTestFace",
  "password": "$2a$10$8sQKGFNU0zLUcuIdKuU10Vc1J0ohM4YLv40wyzahuV296/rr/j0y",
  "v": 0,
  "preferred_snowType": "Corn",
  "preferred_temperature": "Cold",
  "preferred_travelTime": "No Rush",
  "pass": Array,
  "resorts": Array
}
```

Document 2:

```
{
  "_id": ObjectId("5cedf9d04a87a12ecceda64b"),
  "resorts": Array,
  "pass": Array,
  "email": "Test.Email@test.com",
  "username": "TestEmail",
  "password": "$2a$10$ti/q.yqbI7auR3GN5BAyweIdQlHl3SEaCuzwsqmLcVPbIbm4CO.q",
  "v": 0
}
```

2) Testing Login with generated cookie:

Session Database before login:

MongoDB Compass - localhost:27017/BlizzardKickerDev.sessions

My Cluster | localhost:27017 | STANDALONE | MongoDB 4.0.4 Community

4 DBS | 5 COLLECTIONS

filter

BlizzardKickerDev

- registrations
- resorts
- sessions
- users
- admin
- config
- local

BlizzardKickerDev.sessions

DOCUMENTS 3 | TOTAL SIZE 584B | AVG. SIZE 195B | INDEXES 2 | TOTAL SIZE 72.0KB | AVG. SIZE 36.0KB

Documents | Aggregations | Schema | Explain Plan | Indexes | Validation

FILTER | OPTIONS | FIND | RESET | ...

INSERT DOCUMENT | VIEW | LIST | TABLE | Displaying documents 1 - 3 of 3

```
{ "_id": "wrhwy1lx7yPbyGR808WmoeFPQGVlh12",
  "expires": "2018-12-19 20:32:58.594",
  "session": "{\"cookie\":{\"originalMaxAge\":null,\"expires\":null,\"httpOnly\":true,\"path\":\"\"}}"
```

```
{ "_id": "edJ2y6deQbhluihhfJ9EX2UGnwkGppu",
  "expires": "2018-12-19 22:39:34.354",
  "session": "{\"cookie\":{\"originalMaxAge\":null,\"expires\":null,\"httpOnly\":true,\"path\":\"\"}}"
```

```
{ "_id": "qbJ6SK_f80wI1764w1JnBBQW4pHAYMS0",
  "expires": "2018-12-21 13:37:25.922",
  "session": "{\"cookie\":{\"originalMaxAge\":null,\"expires\":null,\"httpOnly\":true,\"path\":\"\"}}"
```

Session Database after login occurs with generated cookie:

MongoDB Compass - localhost:27017/BlizzardKickerDev.sessions

Connect View Collection Help

My Cluster

localhost:27017 STANDALONE

MongoDB 4.0.4 Community

4 DBS 5 COLLECTIONS

filter

BlizzardKickerDev

- registrations
- resorts
- sessions
- users
- admin
- config
- local

BlizzardKickerDev.sessions

DOCUMENTS 4 TOTAL SIZE 792B AVG. SIZE 198B INDEXES 2 TOTAL SIZE 72.0KB AVG. SIZE 36.0KB

Documents Aggregations Schema Explain Plan Indexes Validation

FILTER

INSERT DOCUMENT VIEW LIST TABLE

Displaying documents 1 - 4 of 4

```
{ "_id": "wrhwy1lx7yPbygR8o8WmoqEPQGVl1h12",
  "expires": 2018-12-19 20:32:58.594,
  "session": {"cookie":{"originalMaxAge":null,"expires":null,"httpOnly":true,"path":...}}
}
```

```
{ "_id": "edJ2y6d8QbhluihhfJ9EX2UGnWk6ppU",
  "expires": 2018-12-19 22:39:34.354,
  "session": {"cookie":{"originalMaxAge":null,"expires":null,"httpOnly":true,"path":...}}
}
```

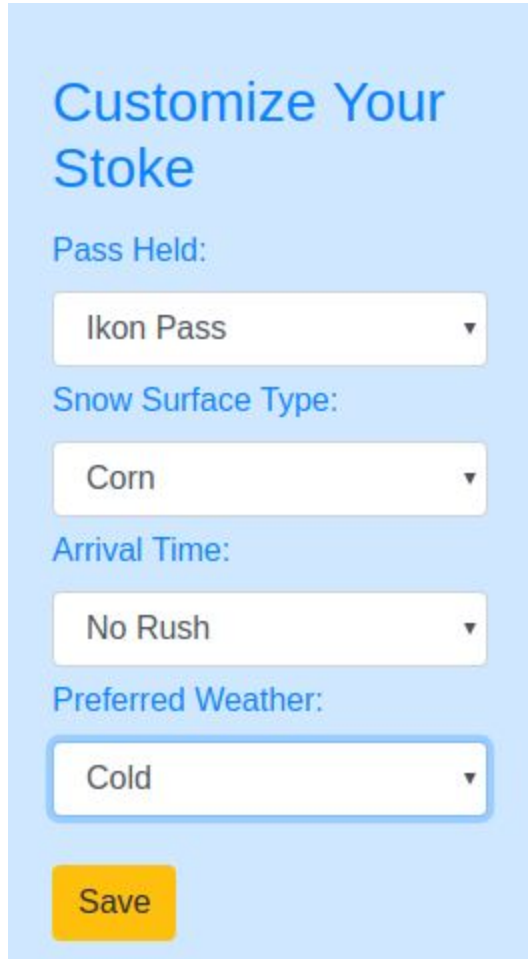
```
{ "_id": "qbJ6SK_f8OWI17G4w1JnBBQW4pHAYMS0",
  "expires": 2018-12-21 13:37:25.922,
  "session": {"cookie":{"originalMaxAge":null,"expires":null,"httpOnly":true,"path":...}}
}
```

```
1 { "_id": "cZqQreWZVtn17AljRK1-D3zueHnWdH4",
2   "expires": 2018-12-23 22:33:22.372,
3   "session": {"cookie":{"originalMaxAge":null,"expires":null,"httpOnly":true,"path":"/"},
  "userId": "Test.Email@test.com", "userName": "TestEa"
}
```

CANCEL UPDATE

3) Testing updating user preferences

Preferences which are set:



The image shows a web form titled "Customize Your Stoke" on a light blue background. The form contains four dropdown menus, each with a label in blue text to its left. The first dropdown is labeled "Pass Held:" and shows "Ikon Pass". The second is labeled "Snow Surface Type:" and shows "Corn". The third is labeled "Arrival Time:" and shows "No Rush". The fourth is labeled "Preferred Weather:" and shows "Cold". At the bottom of the form is a yellow "Save" button.

Customize Your Stoke

Pass Held:

Ikon Pass ▼

Snow Surface Type:

Corn ▼

Arrival Time:

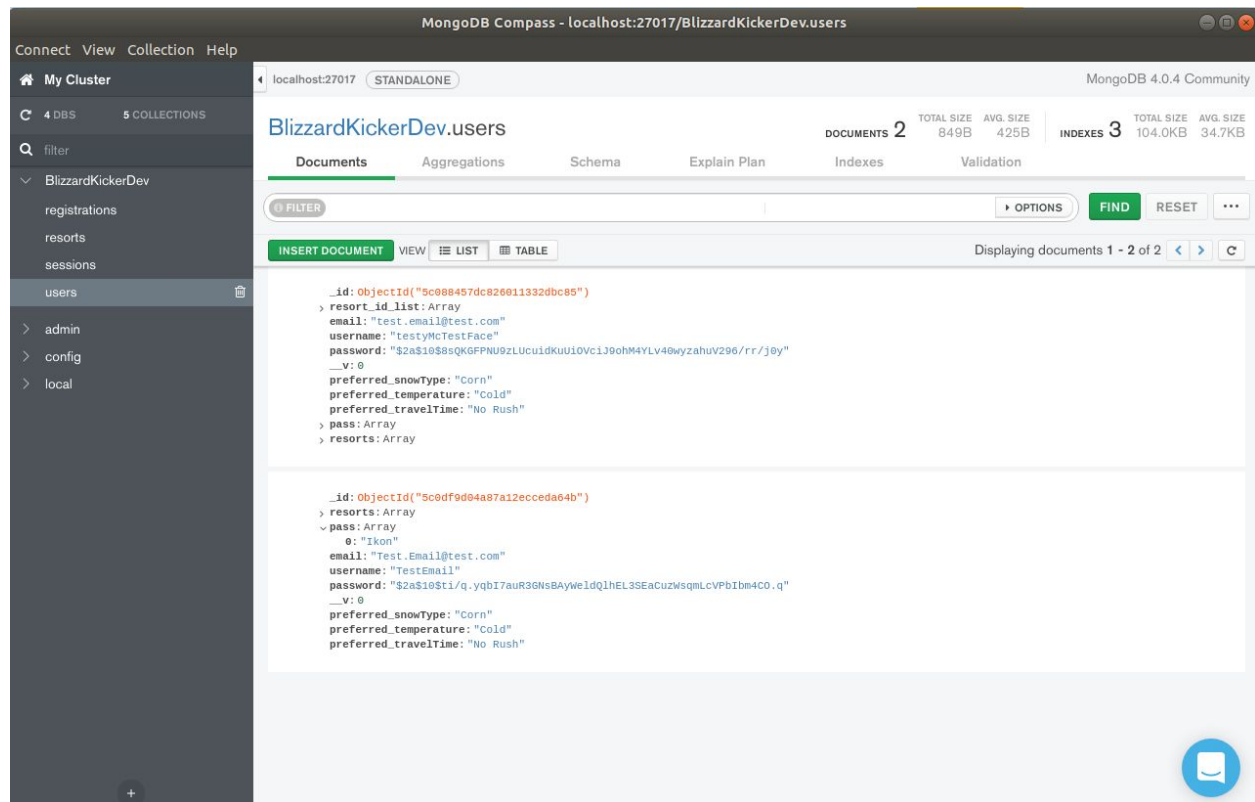
No Rush ▼

Preferred Weather:

Cold ▼

Save

User Database displaying updated user preferences being stored in the database:



Automated CI website:

<https://travis-ci.com/mskogen/APCS-BlizzardKicker>