

ReserveRec

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What is ReserveRec?



- Play any sport, any time
- Custom feed where you can join or create events
- Custom profiles and display statistics



Major Sprint Goals

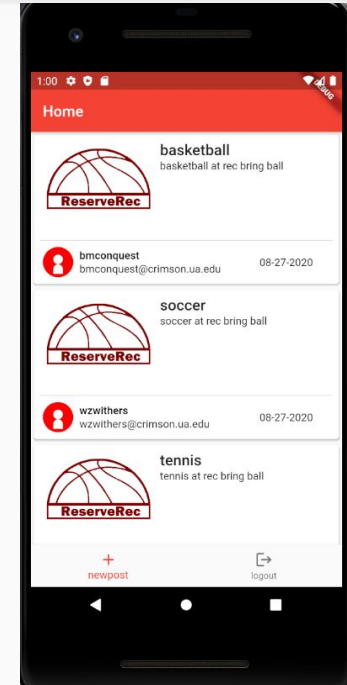
➤ Learn Dart and Begin Research	10 hours ✓
➤ Allow Users to Sign In	3 hours ✓
➤ Hash Passwords and Store Them Securely	2 hours ✓
➤ Create and Populate Feed	10 hours ✓
➤ Find a User's Location	3 hours ✓
➤ Create New Users and Posts	5 hours ✓
➤ Create Logo	2 hours ✓

Overarching Theme: Lay the Foundation for the App

The Feed



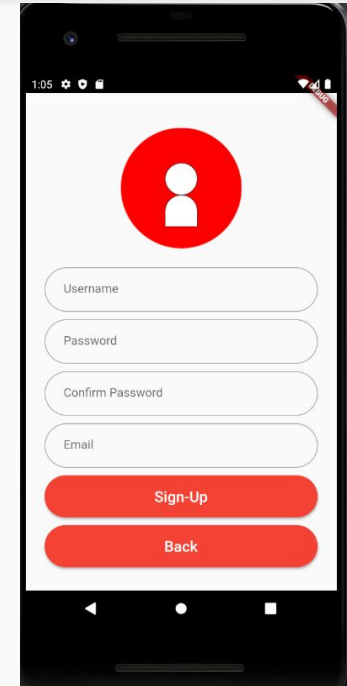
- Shows title of sport and description of the activity the user desires
- Currently can only add posts and view the existing posts
- Future goals



The User Sign Up



- Takes user information and adds them to the existing users
- Future goals



Achievements



- Created a scrollable, interactive feed which updates in real-time
- Successfully integrated with location services
- Passwords secured using SHA256 hashing function

```
SHA256("The quick brown fox jumps over the lazy dog")
```

```
0x730e109bd7a8a32b1cb9d9a09aa2325d2430587ddbc0c38bad911525
```

```
SHA256("The quick brown fox jumps over the lazy dog.")
```

```
0x619cba8e8e05826e9b8c519c0a5c68f4fb653e8a3d8aa04bb2c8cd4c
```



Challenges

- Dart and Flutter tightly coupled
- SQL integration much more difficult than anticipated
- Dart being inherently asynchronous provided a lot of trouble
- Ambiguous division of work made it unclear who was doing what and what each task/story was supposed to do



Future Plans

- Complete integration with a backend web server
- User profiles and statistics
- Add more functionality to new posts
 - Better time input
 - Display an Individual Post
- More detailed information about current posts
 - Able to join or mark posts as interested
- Separate UI and login for rec centers
- Start working on unit testing

Live Demo



Thank you

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