



SPICE SPRINT 2



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What Spice is all about

The Spice App is one that will help you choose where to eat, because it will choose for you



SPRINT GOALS AND BACKLOG

- Completely Working API
 - Here API
 - Google Places
- Design database and profile
 - Backend implemented with Firebase
 - Added user info to profile
- Addition of user “Moods”
 - Saved user preferences
- Preference search in Spice It Up
 - Choose a preference for personalized search
- Complete functionality of Spice It Up
 - Allows a “reroll”
 - Preference search

ID	Story	Hours	Priority	Finished
5	Make Database	5	1	1
6	Create/Edit Moods	15	1	1
7	Add users	2	2	1
8	Mood based search	15	1	1
9	Update login	2	2	1
10	Get user Location	5	1	1
11	Added firestore	3	3	1

SPRINT RETROSPECTIVE

What Went Well

- Achieved all goals set for Sprint 2
- Completed core functionality of app
- Backend implemented fully
- Spice It Up more robust
- Code was much more clean/commented
- Minimal issues with Git; forks, branches better utilized
- Communication outside of scrum meetings better

What Didn't Go Well

- **Unfair distribution of work**
- Using GPS difficult indoors
- Dependencies working in parallel
- Deciding on model and platform for database took time
- Working with Firebase difficult at times
- A lot of time spent fixing trivial issues
- Too much time spent working alone, not with team.

What Could Be Improved

- Unit testing was an afterthought
- Finding solutions to trivial issues more efficiently.
- Coding as a group
- Meeting more
- Make work done more consistent
- Error detection in code



HERE'S WHAT'S
NEW

BACKEND DATABASE

1. **Set up Firebase Realtime Database & Cloud Storage**
2. **Registering users and authenticating Logins**
3. **Storing, editing, and retrieving user information and displaying in profile**
4. **Creating “moods” or preferences for more custom results**

Here Places & Google Places

1. We use the here api to do a place search
2. We check to make sure the result fits the users criteria
3. We use google places to get the place's details
4. Tied Google Places API into the app
5. Used together with HERE API (getting name of location) to get coordinates of location
6. Retrieved location photos using PHOTO_METADATA field

SPRINT 3 PLANS

1. Add a way for users to connect with one another to get a dining result based on the groups mood
2. Create a way for the users to have messaging and polling capabilities
3. Make the user interface more sleek
4. Do more thorough testing for desired behavior
5. Add more information about the place found by the app
6. Refine searches more so based on user preferences

Demo