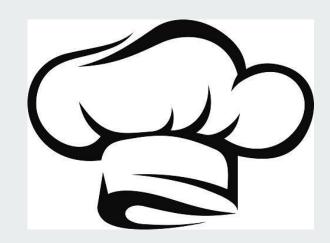# MyChef Sprint 1 Presentation

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Reminder of the project focus

- Simplify cooking for beginners, college students, and busy families
    - Less waste
    - Save money
    - Saves time

- Features
    - Generation of a shopping list for user (export to PDF or in app)
    - Sorting of recipes based on ingredients that you already have
    - Searching based on diet styles, calories, macronutrients, required cookware, type of dish, time for completion, cuisine, etc.
    - Accessibility options like Text to Speech and casting of recipes to Smart TVs

Sprint Goals

- Display a list of recipes and allow the user to view recipe details
- Allow the user to create an account and login
- Add recipes to a calendar for meal planning
- Create shopping list either virtually or export physically (via PDF) with ingredients from a users selected recipes

Major Sprint achievements

- Solidified a frontend and backend architecture
- Connection between frontend and backend
- Create UI for major parts of Android App
- Understand the basics of Kotlin programming language and Android Studio
- Created a deployment pipeline to more efficiently go from development to production
- Created a RESTful API
- Created scripts to automate parts of recipe scraping
- Implemented search functionality into the app
- Solidified Google authentication for user creation and signup -- still needs secondary backend authentication

Project Backlog

ID	Story	Estimation (hours)	Priority	Sprint When Finished
1	Display a list of recipes and allow the user to view recipe details	4	1	Sprint 1
2	Allow the user to create an account and login	6	1	Sprint 1
3	Add recipes to a calendar for meal planning	4	1	
4	Create shopping list with ingredients from a users selected recipes	8	1	
5	Allow basic filtering and searching of recipes	5	1	Sprint 1
6	Allow user to search for recipes with ingredients and cookware they have	6	1	
7	Allow user to export shopping list	8	2	
8	Calculate average ingredient cost	6	3	
9	Provide accesibility options to the user like text to speech and casting	4	3	
10	Allow user to upload handwritten recipes	8	3	
11	Incorporate a social aspect to the user experience	16	3	

Story Number	Task ID	Task Description	Hours Estimation
1	a	Create UI for main page	4
1	b	Create UI for details page	3
1	c	Implement scraping tool	1
1	d	Implement measurement conversions for ingredients	1
2	a	UI for login page (connecting to google and facebook)	1
2	b	UI for create account	1
2	c	UI for view/edit account information/ favorites	2
2	d	Backend for User info	3
2	e	Connecting backend to frontend UI	3
3	a	Calendar to add recipes on certain days	3
3	b	Add selector for what weeks/days to aggregate into the shopping list	1
4	a	Compile recipes ingredients from selected weeks/days	2
4	b	Allow the shopping list to be exported to pdf or printed	1
5	a	Add list of filters	2
5	b	Scrape relevant information from recipes for filters	3
5	c	Implement search function	3

Sprint Backlog

Story 1: Display a list of recipes and allow the user to view recipe details

Story 2: Allow the user to create an account and login

Story 3: Add recipes to a calendar for meal planning

Story 4: Create shopping list with ingredients from a users selected recipes

Not completed

- Add recipes to a calendar
- Creating shopping list with ingredients from user
- No all UI is completed
- Login Functionality not fully implemented (90% there)
- Basic search works; filtering functionality coming next sprint

Lessons Learned

- Architecture is super important in the initial start of a project (Frontend and Backend)
- Time management is key
- Initial start to project is daunting and hard, but after it will get easier to add new features

Live Demo