Symptoms Tracker (SymptomsTrack) APP

Test Instructions

As a backend developer develop only the **API** to meet the requirements of the SymptomsTrack app. You may follow best practices such as design patterns starting with basic MVC and moving onto more advance patterns like factory pattern.

You are requested to demonstrate knowledge of using authentication tokens, processing of json inputs and rendering responses using json objects, using controllers, models and database mapping using ORM libraries.

You are requested to use Go (https://go.dev) language and related libraries to develop the API and Postgres (https://github.com/go-pg/pg) database to save the data.

Finally, you are requested to clone the git repository git@github.com:prabode/gosmokey.git, create a new branch under your name, commit the code and send a pull request to review your code.

We wish you good luck!

Team Venturit

Questions:
Please email: dunishi@venturit.com

Requirements

User Personas

Connie Benca

Name: Connie Benca
Age: 48 years old
Gender: Female
Purpose: Possible Atrial Fibrillation

Connie lives in Ann Arbor, Michigan, with her husband Richard Benca and 10-year-old daughter Sara Benca.

She works as a Senior Loan Officer at Ann Arbor Credit Union. Connie uses her iPhone for calls, check email, and Text messaging. She also uses MyFitnessPal for tracking calories, and Facebook App keep touch with family and friends and iTunes Music App to listen to her favorite music. Connie and family take summer vacation during Sara's summer break.

Connie recently had a coronary artery bypass grafting (CABG) surgery 6 weeks ago. She knows on average it takes 12 weeks fully recover for CABG surgery. Her doctor also advised her to record daily symptoms.

Connie did some and realized she can use smart phone app to keep a record her symptoms

Goals:	Frustrations:	Motivations:
Record daily health symptoms	Health data privacy and security concerns	Record daily symptoms on the spot using a smart phone

User stories

Epic 1 - Onboarding

EPIC ID#	E1	
Participants	The needs of secure onboarding largely overlap those of Connie. Therefore, collectively, these people are called a user for the story purpose.	
Description	As a potential user of a symptoms tracking app, I would like to make sure my data is kept secure and accurate.	
	Stories and ID	All users must complete account registration in order to properly use the SymptomsTrack mobile application
	US 1.1	As a user, I can sign up for a secure account with SymptomsTrack mobile app using a personal email and password
	US 1.2	As a user, I can review the privacy statement to understand data privacy and confirm my age
	US 1.3	As a user, I can review the terms of service to understand service offerings

Epic 2 – Entering Symptoms

EPIC ID#	E2	
Participants	The needs of Connie, adding daily symptoms and viewing all symptoms by weekly and monthly. All users are registered and have an SymptomsTrack account.	
Description	As registered SymptomsTrack user, I need the capability add my daily symptoms, so that I can view my past weekly and monthly symptoms.	
	Stories and ID	All users have access to add a daily symptoms
	US 2.1	As a user, I can log in using my email and password connected to my SymptomsTrack account
	US 2.2	As a user, I can add a daily symptom
	US 2.3	As a user, I can view past week symptoms
	US 2.4	As a user, I can view past month symptoms