Torium - general info

Goal

Torium is a mobile application that provides a way to receive periodically reminders for important events straight to user or to his friends. By setting event within an app user can receive SMS/PUSH/Email reminder each day/week or month.

Application logo:

Idea

Huge issue regarding this kind off applications is that

1. they support only one platform - iOS/Android
2. they are in general quite expensive
3. provide only one type of notification - usually PUSH

Motivation

This project was created for my thesis - I've graduated from Politechnika Krakowska - field of study - IT on January 2023 - my thesis was **Design and implementation of event planning application with the use of Amazon Web Services (AWS)**. Besides actual implementation and presentation of Torium second aspect of this project was to briefly sum up a micro services architecture and how it can be used - Torium project was build using micro services + 14 **AWS** services.

App requirements

Logic requirements

- **Groups**
  - Create/modify and delete group of users,
  - Invite users to group,
  - Respond to invitation,
  - Group consist of name, description, users and events created within a group.
- **Events**
  - Create/modify and delete events with a group
  - Add/remove users from event - being in the group does not always mean to be a part of event. Example - having a group with family members means that user might want to set up a reminder for a birthday party for one of them user that has a birthday should not be included in this event 🙂
  - Comment events
  - Event consist of
    - name
    - description
    - event members
    - event datetime
    - reminder type - one time only or periodical
    - schedule period - if chosen periodical reminder can be send once a day/week or a month
    - budget - optional - if budget is set then reminder will have information that user is required to pay event host
  - Users
    - Fully managed user authorisation - authentication by email + password
    - Register account + login

- Forget password functionality

UI requirements

- Basic and clear UI
- Despite displaying all info mentioned in logic part - calendar view for events

Tech summary

Children pages provides documentation for application details.

Torium BE - backend architecture

Torium Flutter - visual result

Torium Alerts - external tool for managing errors within cloud resources.