

RunForIT

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Design

Table Of Contents

Table Of Contents	2
Introduction	3
Backend Setup	3
Database Structure	5
Design class diagram	6
Sequence Diagrams	7
GUI	9

Introduction

RunForIT is a running tracker build for Android and iOS, which allow the users to calculate their speed and distance ran. Additionally Runforit allow its users to create running events in their area to find partners to run with.

Backend Setup

The backend that I have chosen for my project is Firebase. Firebase is a cloud service owned by google which offers multiple payment plans(for my own needs I have chosen Spark, a free option that will suit my needs). The setup was straightforward, I had to log in using my google account, then I created new project. Once the project was created some configuration data had to be supplied and then all was left was a generated piece of code that I had to copy into my code.

```
<script src="https://www.gstatic.com/firebasejs/3.7.4/firebase.js"></script>
<script>
// Initialize Firebase
var config = {
  apiKey: "xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx",
  authDomain: "runforit-xxxxxx.firebaseio.com",
  databaseURL: "https://runforit-xxxxxx.firebaseio.com",
  projectId: "runforit-xxxxxx",
  storageBucket: "runforit-xxxxxx.appspot.com",
  messagingSenderId: "xxxxxxxxxx"
};
firebase.initializeApp(config);
</script>
```

Dashboard

Overview

- Analytics
- PROGRAMUJ
- Authentication
- Database
- Storage
- Hosting
- Functions
- Test Lab
- Crash Reporting
- ROZWIJAJ SIĘ
- Notifications
- Remote Config

Analytics

Otrzymaj szczegółowe dane, aby mierzyć i analizować to, jak użytkownicy korzystają z Twojej aplikacji.

[Więcej informacji](#) [ROZPOCZNIJ](#)

Authentication

Uwierzytelniaj użytkowników, którzy logują się z innych usług, i zarządzaj nimi bez kodu po stronie serwera.

[Więcej informacji](#) [ROZPOCZNIJ](#)

Database

Przechowuj dane i synchronizuj je w czasie rzeczywistym pomiędzy wszystkimi połączonymi klientami.

[Więcej informacji](#) [ROZPOCZNIJ](#)

Storage

Przechowuj i pobieraj treści użytkowników.

Hosting

Wdrażaj aplikacje sieciowe i mobilne

Cloud Functions

Run managed backend code for your mobile

Database

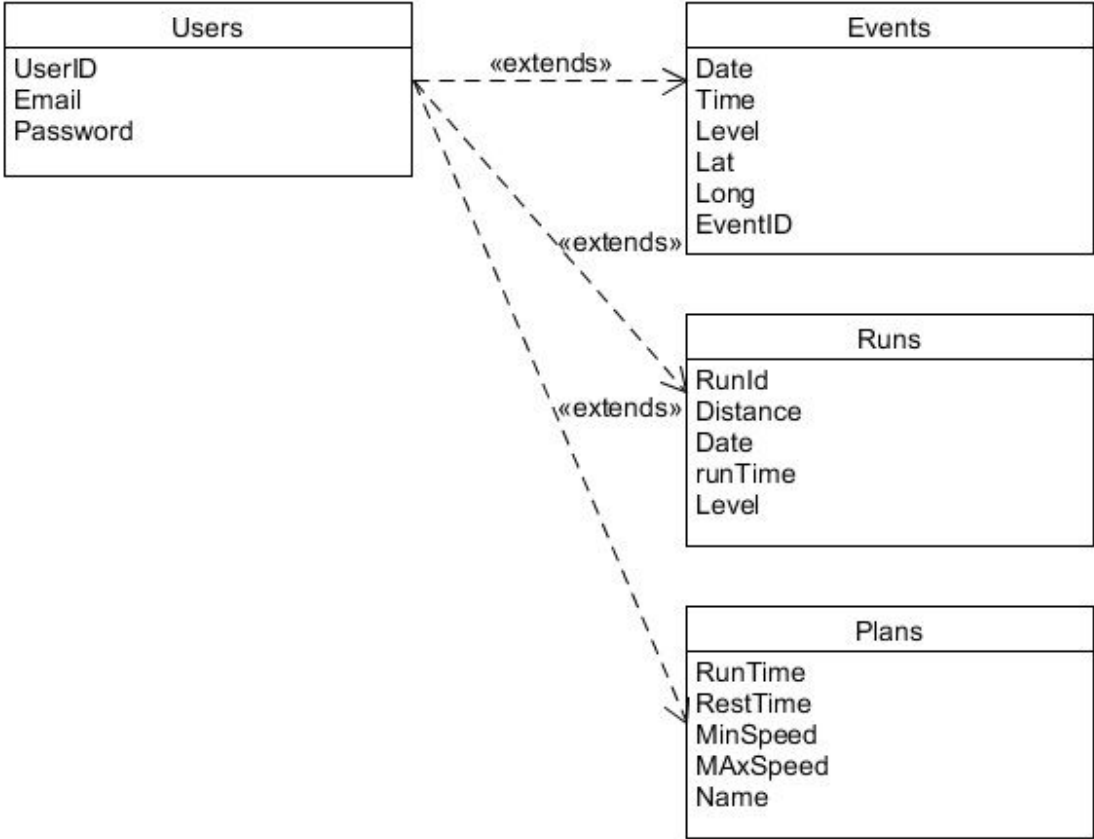
```

runfortit-149417
├── event
│   ├── 404179065
│   │   ├── date: "2018-02-04"
│   │   ├── lat: "53.2075883519111"
│   │   ├── level: "Beginner"
│   │   ├── long: "-6.72157360000006"
│   │   └── time: ""
│   ├── 461974426
│   ├── 681468508
│   ├── 828415332
│   └── 922224801
├── plans
│   └── planA
└── results
    ├── 116704426
    └── 171294339
    
```

Users

Search by email address or UID's ADD USER ↻				
Email	provider	Created	Signed	UID's ↑
tabuzz@tab.eu	📧	February 27, 2...	February 27, 2...	4sefJkF2rekB5EwUPpD8htNV6F2
bartoszzur@gmail.com	📧	February 28, 2...	February 28, 2...	6CEJ5QiyJTdFosg21TVqCZHJ0t63
fakekonto2@fake.pl	📧	15 Nov. 2016	15 Nov. 2016	6CgHglIS2uchMUVcJDddvJz61Dp2
tabbin@example.pl	📧	15 Nov. 2016		8VVkxM4EpnSA63TxbR4lzhVvq43
test11@test.eu	📧	11 December ...	11 December ...	AcFWdkjZ5JVV0amN83K0aS0mA...
ghgufudjg@hg.com	📧	February 27, 2...	February 27, 2...	C25JJYgZxkZjPa7kZBNJODIW0BB2
mojekonto@konto.pl	📧	15 Nov. 2016	15 Nov. 2016	CLUJ1Eri2ldMqe4SqowlhJ00viq1
fakekonto@fake.pl	📧	15 Nov. 2016	15 December ...	DxQUGgxishev9HySIScV2fMuws13
tabudas@asfa.dasd	📧	April 1, 2017	April 1, 2017	M6n15mPoMf4T1y7jem7pPcFYk72

Database Structure

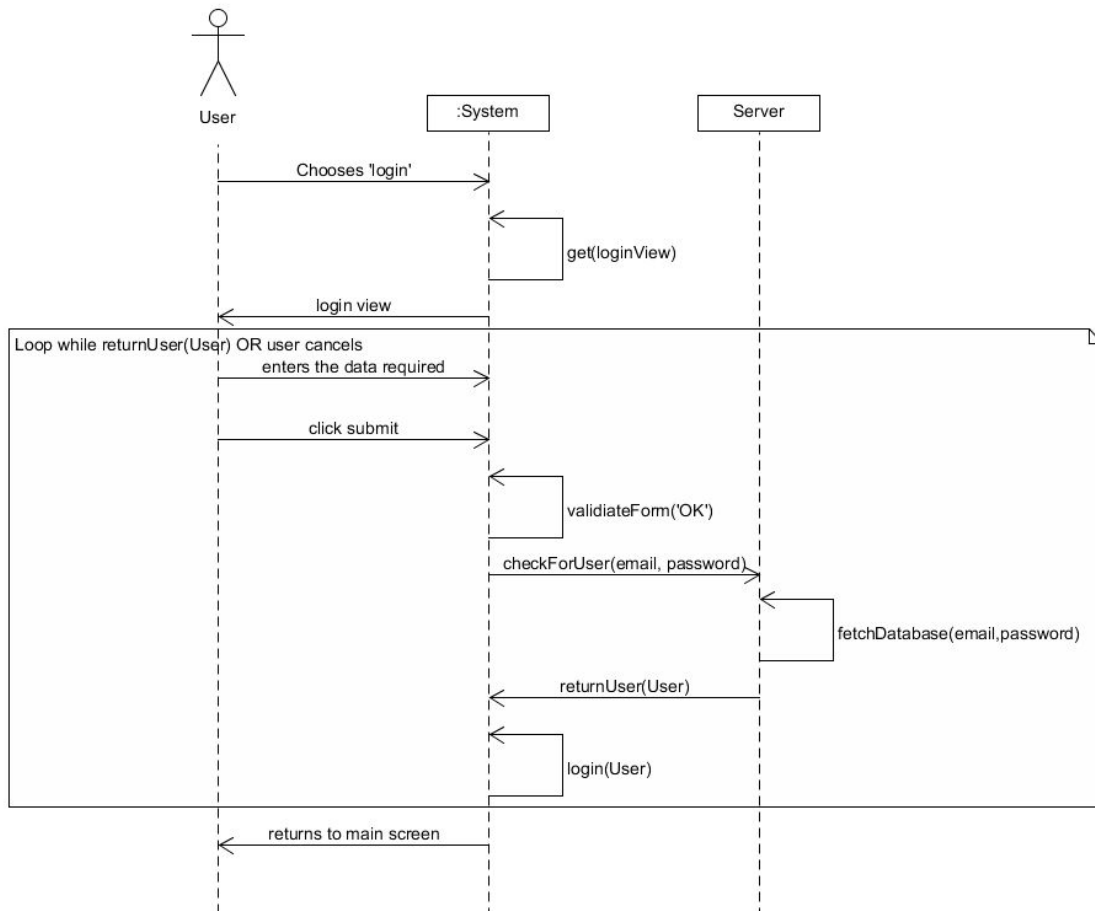


Design class diagram

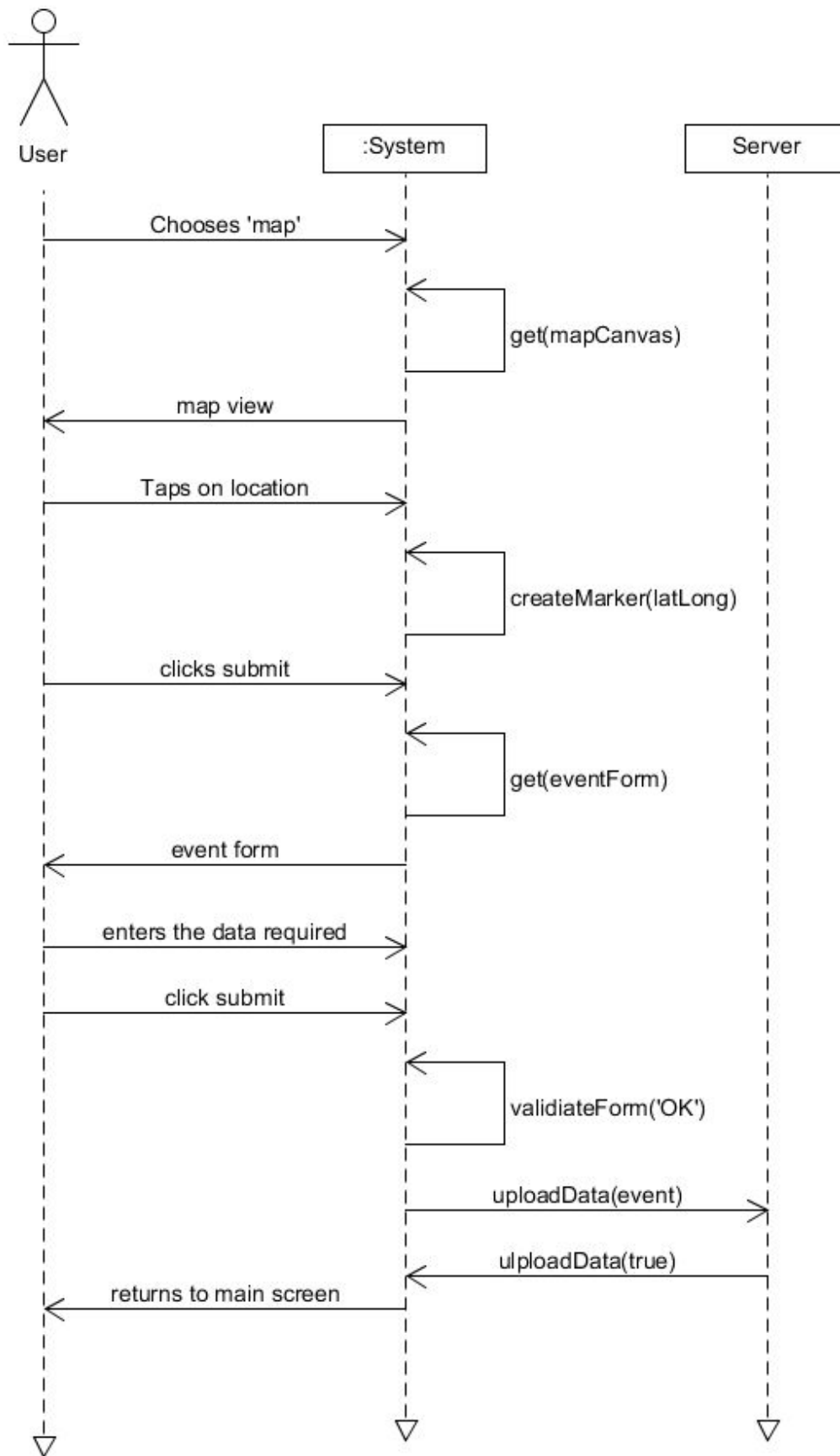


Sequence Diagrams

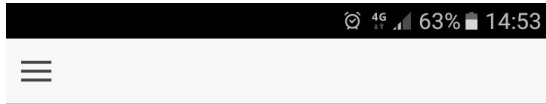
Login



Create event



GUI



Athletes dressed in red are more likely to win events than athletes wearing any other colour.



12° Celcius(light rain)



Update Scores

- 234825386
- 260648794
- 416408791
- 453860327
- 543036766
- 563071558
- 607712585
- 751829103



Update Scores

- 543036766
- 765204514**
Date 04/01/2017
Level Beginner 712585
Run Time 6
Distance 0
751829103
OK
- 765204514
- 843670708
- 900069564



bartoszzur@gmail.com

5

0:0:0

0

m

0

km/h

Start

Stop

Login

email

Password

Log in

Sign up

Log out

Level

Time

Date

Submit