Project Maps for All

Phase 1: POC

1. Overview

* POC to implement automatic map generation within ranges (years) for multiple users.
* Each user can have one or more maps.

1. Main features

This section describes main features:

1. Create account
2. Login
3. Create map(s)
4. Update map(s)
5. Save map
6. Publish map
7. Show map(s)
8. Rename map
9. Email map
10. Architecture and schemas

Using Firebase API implement features described in 2.

1. **Main account**

**User:** [**mapsforallnow@google.com**](mailto:mapsforallnow@google.com)

Password: MapsForAll

GitHub

Username: [mapsforallnow@google.com](mailto:mapsforallnow@google.com)

Password: MapsForAll2017

This main account for

* 1. managing all data and maps
  2. managing hosting
  3. managing GitHub

1. **Create an account page**
   1. Create user table using Google storage. Name: **mapsforallusers**

Schema:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| email | created | used | TBD | TBD | TBD |

* 1. Create map table using Google storage. Name: **email.maps**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| name | created | used | published token | TBD | TBD |

* 1. Create map data file with name email.map.name.1
     1. Add record to **email.maps**
     2. We will create this table for each user

1. **Login page**
   1. Login
   2. Show all maps for the user
2. **Create new map**
   * 1. Ask for the name
     2. Use this name **email.map.name.1**
     3. Show input table:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Generation (drop down) | name | from | to | place | lat | long | image | TBD |

* + 1. When inserting place populate lat/long using Google geo API
    2. Data will be stored in this format

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Gen ID | Name | From | To | Place | lat | long | image | TBD |
| 00 | Tsal | 1845 | 1900 | Krasnostav, Ukraine | 50.89344 | 24.47684 |  |  |
| 00-01 | Elek | 1865 | 1926 | Krasnostav, Ukraine | 50.89344 | 24.47684 |  |  |
| 00-01-01 | Dina | 1899 | 1920 | Krasnostav, Ukraine | 50.89344 | 24.47684 |  |  |
| 00-01-01 | Dina | 1920 | 1921 | Lviv, Ukraine | 49.83968 | 24.02972 |  |  |
| 00-01-01 | Dina | 1921 | 1987 | Israel | 31.04605 | 34.85161 |  |  |
| 00-01-01-01 | Elisha | 1927 | 2010 | Israel | 31.04605 | 34.85161 |  |  |
| 00-01-01-01-01 | Michal | 1951 | 0 | Israel | 31.04605 | 34.85161 |  |  |

1. **Update map(s)**
   1. Show all tables
   2. Click on the name to show all values
   3. When inserting place populate lat/long using Google geo API
   4. Show map under each table
2. **Publish map**
   1. Save all data using name: **email.map.name.1**
   2. Publish data file using Google <https://docs.google.com/spreadsheets> API
   3. Save published key in **email.maps** table
   4. Show map
3. **Create map url**
   1. url: map script + query string (I will provide format)
4. **Email map**
   1. url: map script + query string (I will provide format)
   2. email it