

Project ID Sheet with Deployment Guide



Team Name: Team DJK

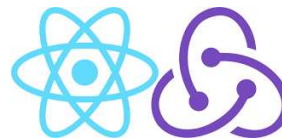
Team Members: Dongha Kang
Yasir Karapinar
Jordan Weadick

Project Title: Employee Time-off Tracker

Description: This is a small web application that will allow employees to register their out of office times as well as their holidays. Employees will be signing in using their Google account and requesting time-offs, which will be accepted or declined by admins. Time-offs will be put on Google Calendar and kept track of by admins.

Disclaimer: The client and we originally agreed upon the technologies used for this project to be React and Python. However, we decided to build the backend using Node.js due to the failure to implement the crucial features of the app using Python. The client accepted our plan, and we ended up using MERN stack.

Technologies used: MongoDB Express.js React with Redux Node.js



How to import database:

- In terminal, go to mongodb/bin directory
 - mongorestore -d ett ett/database/ett

How to configure app:

- In terminal, go to ett directory in the project location
 - npm install
- Create a Google Service Account with Google+ & Google Calendar API enabled
 - Download json file from Google after creation
 - Save the file into ett/config directory
 - Change line 5 to

```
const key = require('./NAME_OF_FILE.json').private_key;
```
 - Create an API Key
 - Create Google OAuth client id and client secret
 - Create apiGoogleconfig.json in ett/frontend directory

```
{
  "clientId": "GOOGLE_OAUTH_CLIENT_ID",
  "apiKey": "API_KEY",
  "scope": "https://www.googleapis.com/auth/calendar",
  "discoveryDocs": [
    "https://www.googleapis.com/discovery/v1/apis/calendar/v3/rest"
  ]
}
```
- Create default.json file in ett/config
 - ```
{
 "oauthClientID": "GOOGLE_OAUTH_CLIENT_ID",
 "oauthClientSecret": "GOOGLE_OAUTH_CLIENT_SECRET",
 "mongoURI": "mongodb://localhost:27017/ett",
 "cookieKey": "thisisthecookiekey",
 "jwtSecret": "thisisthejwtsecret"
}
```
- In terminal, make sure the current location is ett/
  - npm run dev
- Make sure that all the users allow the service account to make changes to events in Google Calendar

Share with specific people

|                                                                                                                              |                          |   |
|------------------------------------------------------------------------------------------------------------------------------|--------------------------|---|
|  admin-702@ettmem.iam.gserviceaccount.com | Make changes to events ▾ | ✕ |
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