

JOBAPP

DEFINITION

JobApp is an application that is run by Flask Command Line Interface to run some jobs over a database.

CONFIGURATION

Settings.config file contains database path for MSSQL Server DB and all definitions including custom messages. Please change Driver, Server, Database fields to connect your database.

COMMANDS

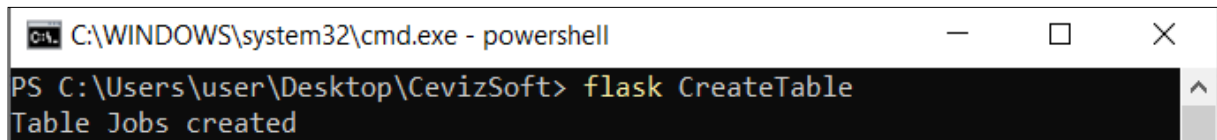
To run the application, please open CLI and type :

```
> $env:FLASK_APP="JobApp"
```

1. CreateTable Command

Creates Job table on the database as seen below. If table already exists, it drops it and recreate one:

```
> flask CreateTable
```

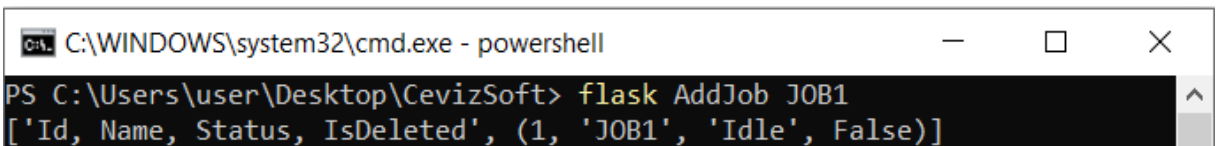


```
C:\WINDOWS\system32\cmd.exe - powershell
PS C:\Users\user\Desktop\CevizSoft> flask CreateTable
Table Jobs created
```

2. AddJob Command

Adds a new job record into the database and prints all the jobs. It requires **Name** of the job as CLI argument. **Status** and **IsDeleted** fields are added by default.

```
> flask AddJob Name
```



```
C:\WINDOWS\system32\cmd.exe - powershell
PS C:\Users\user\Desktop\CevizSoft> flask AddJob JOB1
['Id, Name, Status, IsDeleted', (1, 'JOB1', 'Idle', False)]
```

3. ListJobs Command

Lists all the jobs with column names in the DB table.

```
> flask ListJobs
```

```
C:\WINDOWS\system32\cmd.exe - powershell
PS C:\Users\user\Desktop\CevizSoft> flask ListJobs
['Id, Name, Status, IsDeleted',
 (1, 'JOB1', 'Idle', False),
 (2, 'JOB2', 'Idle', False),
 (3, 'JOB3', 'Idle', False)]
```

4. UpdateJob Command

Updates an existing record's status. It first lists all records and asks the user to select the Id of the record to update. Then it asks the user to select a status for the job Start, Stop or Ignore. Updates the record with given arguments and lists all the jobs.

> **flask UpdateJob**

```
C:\WINDOWS\system32\cmd.exe - powershell
PS C:\Users\user\Desktop\CevizSoft> flask UpdateJob
['Id, Name, Status, IsDeleted',
 (1, 'JOB1', 'Idle', False),
 (2, 'JOB2', 'Idle', False),
 (3, 'JOB3', 'Idle', False)]
Please type ID of the job you want to update: 1
Please select status of the job : Start, Stop, Ignore: Start
['Id, Name, Status, IsDeleted',
 (1, 'JOB1', 'Start', False),
 (2, 'JOB2', 'Idle', False),
 (3, 'JOB3', 'Idle', False)]
```

5. DeleteJob Command

Deletes selected record from the database. In order not to actually remove a record from the database IsDeleted field was assigned to indicate the deletion. When IsDeleted is set to 1, then the record is accepted as removed. It asks the user to select the Id of the record to be deleted and lists all the records after deleting it.

> **flask DeleteJob**

```
C:\WINDOWS\system32\cmd.exe - powershell
PS C:\Users\user\Desktop\CevizSoft> flask DeleteJob
['Id, Name, Status, IsDeleted',
 (1, 'JOB1', 'Start', False),
 (2, 'JOB2', 'Idle', False),
 (3, 'JOB3', 'Idle', False)]
Please type ID of the job you want to delete: 3
['Id, Name, Status, IsDeleted',
 (1, 'JOB1', 'Start', False),
 (2, 'JOB2', 'Idle', False)]
```

LOGGING

app.log file in the projects contains all the logs for each command.