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Subject: Cloud Computing

Lab Assignment No. 02

Title: Use GAE launcher to launch the web applications

1) Create **main.py** file

main.py

```
import webapp2
import os
from google.appengine.ext.webapp import template

class MainPage(webapp2.RequestHandler):
    def get(self):
        path = os.path.join(os.path.dirname(__file__),
                             "index.html")
        context = {}
        self.response.out.write(template.render(path, context))

    def post(self):
        d = self.request.get("date")
        m =
        self.request.get("month")
        y =
        self.request.get("year")

        path = os.path.join(os.path.dirname(__file__),
                             "result.html")
        context = {"date": d + ":" + m + ":" + y}

        self.response.out.write(template.render(path, context))

app = webapp2.WSGIApplication([("/", MainPage)], debug=True)
```

Create **app.yaml** file **app.yaml**

```
application: birthday
runtime: python27
api_version: 1.0
threadsafe: true
```

handlers:

- url: / script:
main.app

3) Create **index.html** file

index.html

```
<body>
  <div>
    <h1>Birthday</h1>

    <form action="/" method="post">
      <input type="text" placeholder="Date" name="date" />
      <input type="text" placeholder="Month" name="month" />
      <input type="text" placeholder="Year" name="year" />

      <input type="submit" value="Submit" />
    </form>
  </div>
</body>
```

4) Create **result.html** file

result.html

```
<body>
  <div>
    <h1>Hello, Your date of birth is {{date}}.</h1>
  </div>
</body>
```

```
Google Cloud SDK Shell - py
C:\Users\HP\AppData\Local\Google\Cloud SDK>py google-cloud-sdk\bin\dev_appserver.py D:\semister-6-labs\cc\lab2
INFO      2023-05-10 15:35:26,028 devappserver2.py:321] Skipping SDK update check.
WARNING   2023-05-10 15:35:26,365 simple_search_stub.py:1196] Could not read search indexes from c:\users\hp\appdata\loca
l\temp\appengine.birthday\search_indexes
INFO      2023-05-10 15:35:26,371 <string>:398] Starting API server at: http://localhost:60290
INFO      2023-05-10 15:35:26,377 dispatcher.py:276] Starting module "default" running at: http://localhost:8080
INFO      2023-05-10 15:35:26,378 admin_server.py:70] Starting admin server at: http://localhost:8000
INFO      2023-05-10 15:35:28,905 instance.py:294] Instance PID: 6696
```

