Section 3. „Manual Image Build Process"

Links:

http://flask.pocoo.org/

Commands:

```
$ mkdir manual-build
```

```
$ cd manual-build
```

```
PS> md manual-build
```

```
PS> cd manual-build
```

```
$ atom start-app.sh
```

```
#! /bin/bash
```

```
cd /app
```

```
export FLASK_APP="hello"
```

```
export FLASK_ENV="development"
```

```
export FLASK_RUN_HOST="0.0.0.0"
```

```
flask run
```

```
$ docker create -it --name manual -p 5000:5000 python /bin/bash
```

```
$ docker start -i manual
```

```
# mkdir /app
```

```
# exit
```

```
$ docker cp hello.py manual:/app
```

```
$ docker cp start-app.sh manual:/app
```

```
$ docker start -i manual
```

```
# cd /app
```

```
# ls -l

# chown root:root *

# chmod +x start-app.sh

# pip install Flask

# /app/start-app.sh

$ docker start -i manual

# /app/start-app.sh

$ docker commit manual manual-image:1.0

$ docker run -it --rm -p 5000:5000 manual-image:1.0

# /app/start-app.sh

# exit

$ docker commit --change 'CMD ["/app/start-app.sh"]' manual
manual-image:1.1

$ docker run -it --rm -p 5000:5000 manual-image:1.1
```