

Instruction for developers working.

API BACK-END .NET API

Please clone/pull project into your PC:

https://github.com/nguy1710/API_DevOps_FarmTimeManagement

The screenshot shows the GitHub repository page for `API_DevOps_FarmTimeManagement` by user `nguy1710`. The repository is public and has 1 branch and 0 tags. The commit history shows a recent commit `e54188d` from 1 hour ago with 21 commits. The file list includes folders for `Controllers`, `DataConnects`, `Models`, `Properties`, and `Services/Sprint1/Tom`, as well as files like `.gitattributes`, `.gitignore`, `Program.cs`, `RestfulAPI_FarmTimeManagement.csproj`, `RestfulAPI_FarmTimeManagement.http`, `RestfulAPI_FarmTimeManagement.sln`, `appsettings.Development.json`, and `appsettings.json`. The right sidebar shows the repository's description, activity, releases, packages, languages (C# 100.0%), and suggested workflows.

Repository: API_DevOps_FarmTimeManagement (Public)

Branches: main (1 Branch), 0 Tags

Commit: nguy1710 Modify all to have appropriate work environment (e54188d - 1 hour ago) 21 Commits

Files:

File	Commit Message	Time
Controllers	Modify all to have appropriate work environment	1 hour ago
DataConnects	Modify all to have appropriate work environment	1 hour ago
Models	Modify all to have appropriate work environment	1 hour ago
Properties	I change to hello Kevin	2 weeks ago
Services/Sprint1/Tom	Modify all to have appropriate work environment	1 hour ago
.gitattributes	Add .gitattributes and .gitignore.	3 weeks ago
.gitignore	Add .gitattributes and .gitignore.	3 weeks ago
Program.cs	Modify the code to flexible with current situation	3 hours ago
RestfulAPI_FarmTimeManagement.csproj	Modify the code to flexible with current situation	3 hours ago
RestfulAPI_FarmTimeManagement.http	Add project files.	3 weeks ago
RestfulAPI_FarmTimeManagement.sln	Add project files.	3 weeks ago
appsettings.Development.json	Add project files.	3 weeks ago
appsettings.json	Add project files.	3 weeks ago

About: Backend project for topic DevOps Flinders University

Activity: 1 star, 0 watching, 0 forks

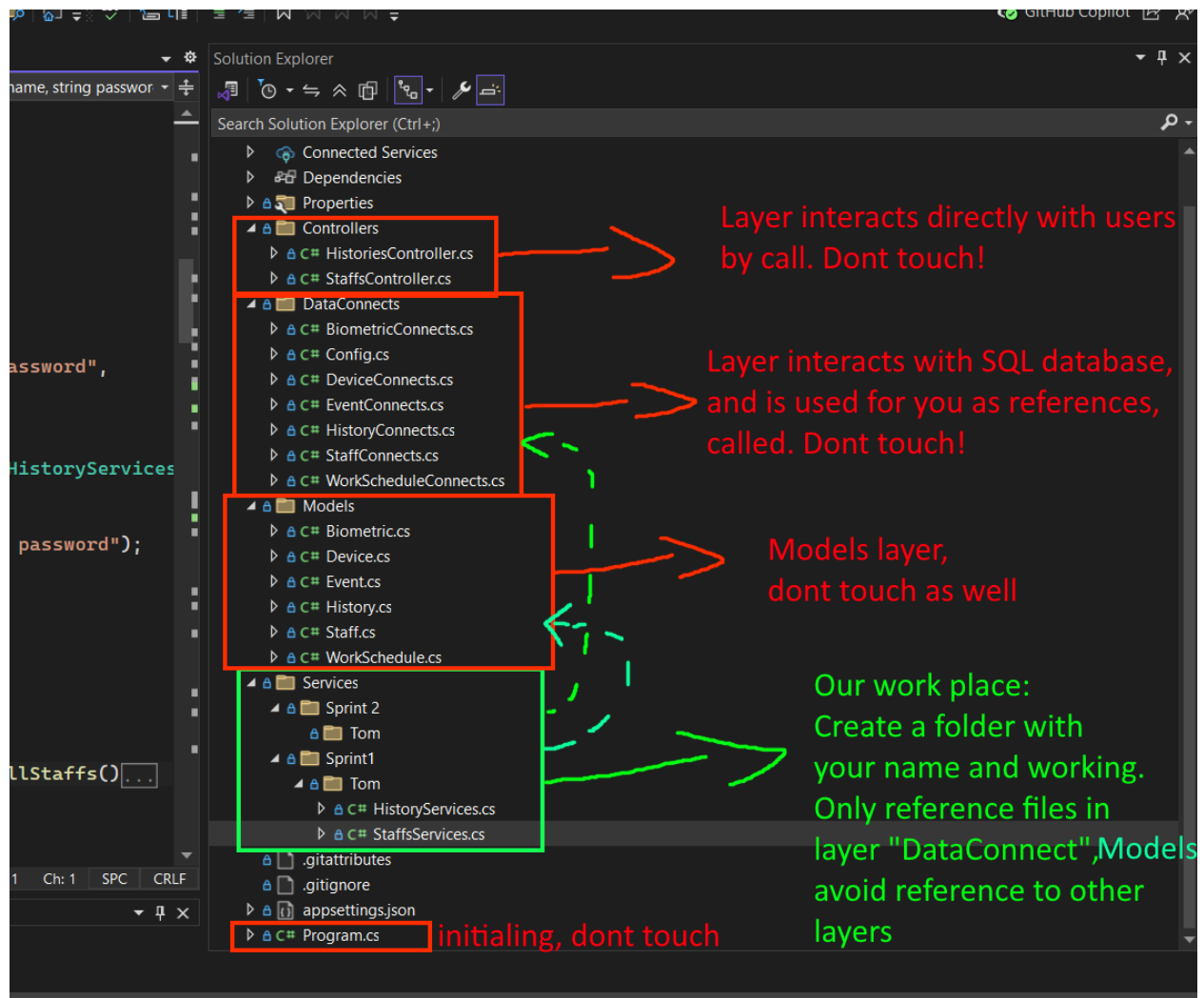
Releases: No releases published. [Create a new release](#)

Packages: No packages published. [Publish your first package](#)

Languages: C# 100.0%

Suggested workflows: Based on your tech stack

README: API_DevOps_FarmTimeManagement Backend Project Files



- Project's structure mainly separates into layers as picture above.
- I have also made layer which connect directly to database for use. It named **DataConnects**, you we don't need to try hard to interact with database anymore.
- Basically, we will do our work in Folder **Services**, you guy just **creates your own folder with your name** and do your task as create any file logical functions you are responsible for.
- To make clean code, clear structure, everything to be consistent, I strongly recommend we follow the rule that we only reference and call to source code in folders **Models** and **DataConnects** . I believe that with these files I made, we can do all logical to meet the requirements in our project.
- I will also create controllers in Controllers layer for sprint 2 as **RosterController**, **ScheduleController** for frontend to call as long as we make the code for them in Services layer.

- If you still want to make new controllers for calling, please make sure they are the same structure as **Histories controller** and **Staff controller**
- Once we done, just create your new branch in Github and push them to. After we review code together, if they are appropriate. I will merge to main branch.

FRONT-END WEBAPP

- The API Endpoint I provide to you to implement into your project:

<https://flindersdevops.azurewebsites.net>

- You can have a look at the Swagger as visualiation for API and call:

<https://flindersdevops.azurewebsites.net/swagger/index.html>

Demonstration last sprint:

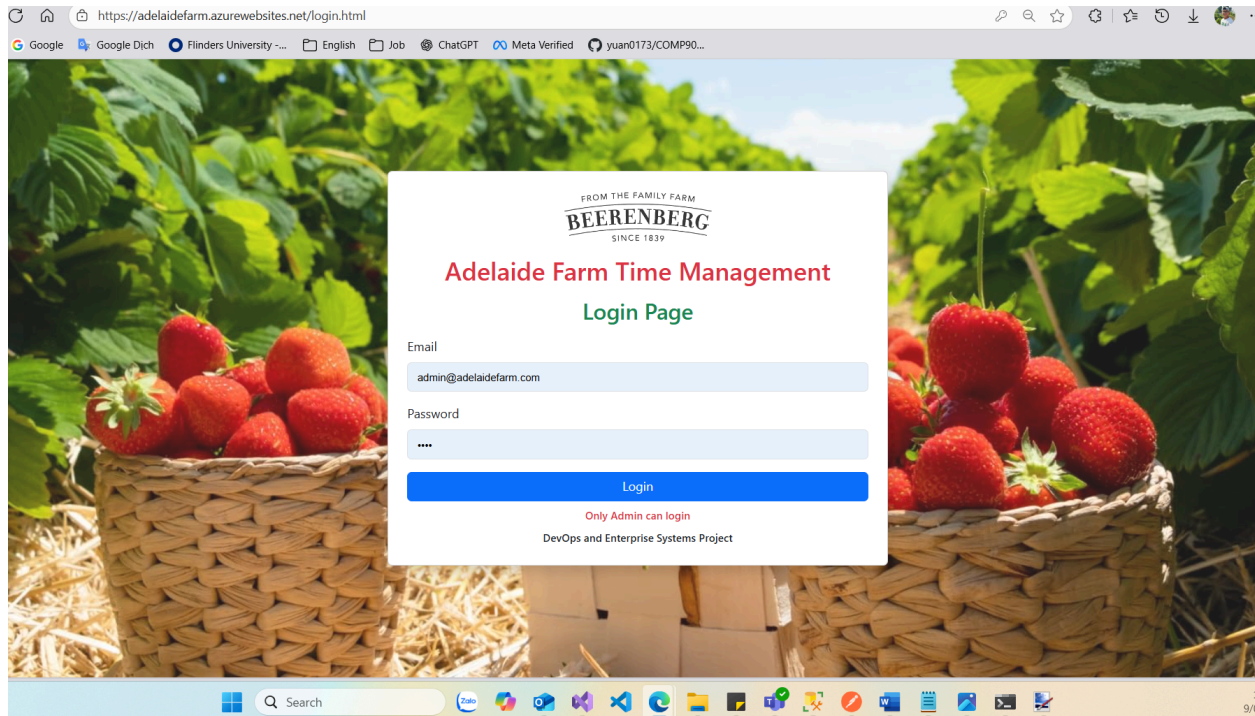
- The draft website in sprint 1 for you guy to have a look and reference:

<https://adelaidefarm.azurewebsites.net/>

Username: admin@adelaidefarm.com

Password: admin

- In last sprint, we have a form to login:



URL: <https://flindersdevops.azurewebsites.net/api/staff/login>

Method: POST

Body Json string:

```
{  
  "Email" : "admin@adelaidefarm.com",  
  "Password" : "admin"  
}
```

Response:

```
{"StaffId":1,"FirstName":"Elon","LastName":"Musk","Email":"admin@adelaidefarm.com","Phone":"0452615968","Password":"8c6976e5b5410415bde908bd4dee15dfb167a9c873fc4bb8a81f6f2ab448a918","Address":"31 Evergreen Dr,  
Salisbury North SA 5108,  
Australia","ContractType":"Full-time","Role":"Admin","StandardHoursPerWeek":  
40.00,"StandardPayRate":35.50,"OvertimePayRate":50.00}
```

(Demonstration of login process)

- Form to display staff

Staff List

Search name/email/phone...

Role: All Contract Type: All Clear filters

StdHours min: min max StdHours max: min max StdPay min: min max StdPay max: min max Overtime min: min max Overtime max: min max

StaffId	FirstName	LastName	Email	Phone	Address	ContractType	Role	StdHours	StdPay	OvertimePay	Actions
1	Elon	Musk	admin@adelaidefarm.com	0452615968	31 Evergreen Dr, Salisbury North SA 5108, Australia	Full-time	Admin	40	35.5	50	Edit Delete
4	Le Thanh	Nguyen	nguyenlethanhdev@hotmail.com	0452615968	31 Evergreen Dr, Salisbury North SA 5108, Australia	Part-time	Worker	23	41	3	Edit Delete

- using GET: <https://flindersdevops.azurewebsites.net/api/Staffs>

Login History

Search...

HistoryId	Timestamp	Actor	Ip	Action	Result	Details	Actions
37	09/09/2025, 01:01:21 am	admin@adelaidefarm.com	202.7.247.165:50140	Login	Succeed	user Elon Musk logged in	Delete
36	09/09/2025, 01:01:18 am	admin@adelaidefarm.com	202.7.247.165:50140	Login	Failed	Wrong username or password	Delete
35	09/09/2025, 12:59:14 am	admin@adelaidefarm.com	202.7.247.165:50073	Login	Succeed	user Elon Musk logged in	Delete
34	09/09/2025, 12:53:12 am	admin@adelaidefarm.com	202.7.247.165:50126	Login	Succeed	user Elon Musk logged in	Delete
33	09/09/2025, 12:50:21 am	admin@adelaidefarm.com	202.7.247.165:50079	Login	Succeed	user Elon Musk logged in	Delete
32	09/09/2025, 12:50:18 am	admin@adelaidefarm.com	202.7.247.165:50079	Login	Failed	Wrong username or password	Delete
31	09/09/2025, 12:46:41 am	nguyenlethanhdev@hotmail.com	202.7.247.165:50125	Create user	Succeed	user Le Thanh Nguyen was created.	Delete
30	09/09/2025, 12:46:14 am	admin@adelaidefarm.com	202.7.247.165:50125	Update user	Succeed	user Elon Musk was updated.	Delete
29	09/09/2025, 12:45:46 am	admin@adelaidefarm.com	202.7.247.165:50125	Login	Succeed	user John Smith logged in	Delete
28	09/09/2025, 12:44:33 am	manhhung@adelaidefarm.com	202.7.247.165:50063	Delete user	Succeed	user Manh Hung Tran was deleted.	Delete
27	09/09/2025, 12:44:26 am	admin@adelaidefarm.com	202.7.247.165:50063	Login	Succeed	user John Smith logged in	Delete
26	09/09/2025, 12:44:21 am	admin@adelaidefarm.com	202.7.247.165:50063	Login	Failed	Wrong username or password	Delete
25	08/09/2025, 11:23:21 pm	manhhung@adelaidefarm.com	202.7.247.165:50171	Create user	Succeed	user Manh Hung Tran was created.	Delete

- using GET: <https://flindersdevops.azurewebsites.net/api/Histories>
- You can see references in either Swagger above to know more about our API

For front-end, we can do or prompt AI anything whatever you want as long as it display the list of staff, list of history in api, create staff, edit, delete staff (I also provided full in API)

- Once done your project and run smoothly, just deploy into your github and I will fork it to my github and deploy into website internet for you automatically.