

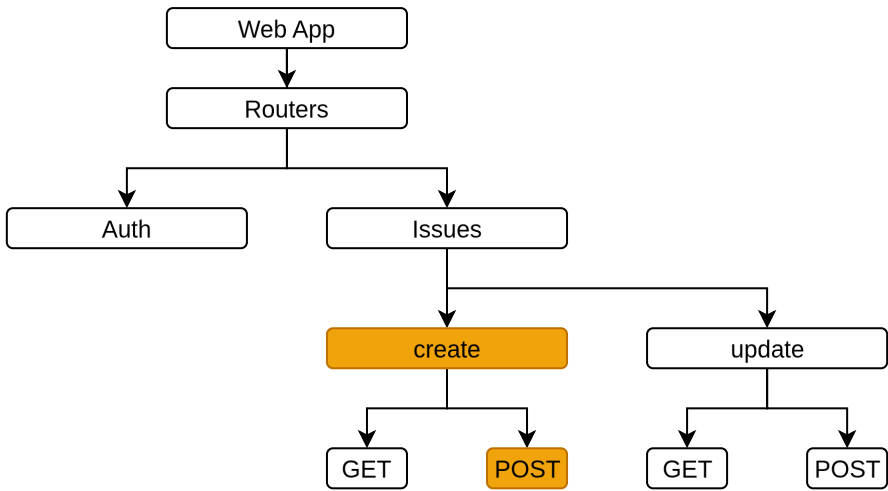
CONTRIBUTORS: ISSUES::CREATE::POST↗

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Abstract

Contributors is a web application designed to streamline open-source contribution by improving how developers discover and share coding tasks. Built to address the limitations of issue discovery on code hosting platforms with integrated issue trackers, it enables users to curate, tag, and submit contribution-friendly issues—helping developers quickly find clear, actionable opportunities to collaborate when they’re ready to contribute.

Tech Stack: *Python, FastAPI, MongoDB*



TICKET

REQUEST :: EP=/issues/create/

Cookies		
NN	access_token	:: str

Form		
	url	:: str
NN	title	:: str
	description	:: str
NN	tags	:: str[,]
	labels	:: str[,]

CONTROLLER

Dependencies	
NN	current_user :: UsersModel

Collection 'issues'	
PK	_id :: ObjectID
NN	url :: str
NN	title :: str
NN	description :: str
NN	categories :: json
NN	creation_dt :: dt
NN	created_by :: UserID

Collection 'categories'	
PK	_id :: ObjectID
NN	identifier :: str
NN	name :: str
NN	issues_ids :: Array[issueld]

json	
NN	tags :: Array[str]
NN	labels :: Array[str]

RESPONSE

InvalidTokenError	
EP	/issues/create/
NN	401, detail :: json

ValidationError	
EP	/issues/create/
NN	422, detail :: json

RedirectResponseError	
EP	/issues/create/
NN	error_message :: str

RedirectResponseSuccess	
EP	/issues/
NN	error_message :: str

REQUEST

```
+? F.url  
|> str.Strip  
|> SupportedURLEnum  
|> orelse raise ValidationError
```

```
+! F.title  
|> str.Strip  
|> orelse raise ValidationError
```

```
+? F.description  
|> str.Strip
```

```
+! F.tags  
|> str.Strip  
|> str.Split[,]  
|> orelse raise ValidationError
```

```
+? F.labels  
|> str.Strip  
|> str.Split[,]
```

CONTROLLER

```
+! C.access_token  
|> orelse raise InvalidTokenError
```

```
+! D.current_user  
|> orelse raise InvalidTokenError
```

```
+? F.url  
|> db.FindOne(issues.url)  
|> redirect RedirectResponseError(issue.id)  
|> orelse db.InsertOne(F.@ + D.current_user)
```

```
+! F.tags  
|> db.FindOne(categories.identifier="tags" && categories.name=F.tags[@])  
|> db.UpdateOne(categories.issues_ids)  
|> orelse db.InsertOne(categories)
```

```
+? F.labels  
|> db.FindOne(categories.identifier="labels" && categories.name=F.labels[@])  
|> db.UpdateOne(categories.issues_ids)  
|> orelse db.InsertOne(categories)
```

```
+! redirect RedirectResponseSuccess(issue.id)
```