

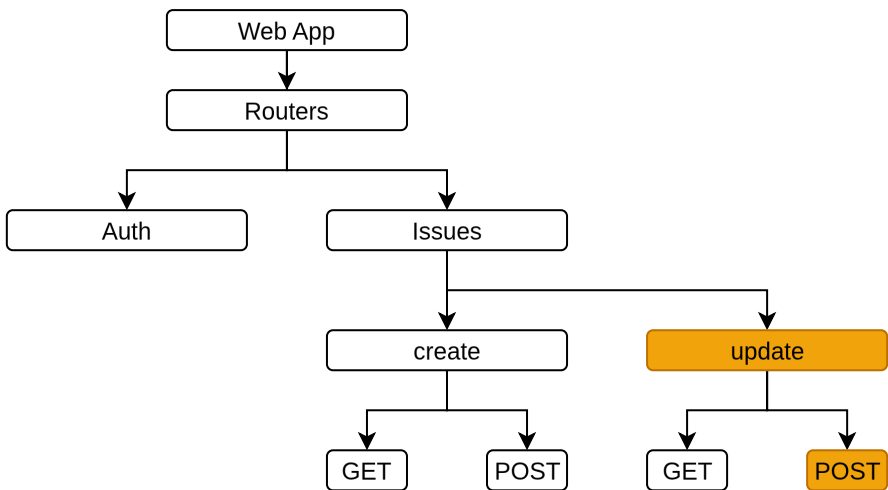
# CONTRIBUTORS: ISSUES::UPDATE::POST↗

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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

Params		
NN	issue_id	:: str

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

CONTROLLER

Dependencies		
NN	current_user	:: UsersModel
NN	c_issues	:: DBCIssues
NN	c_categories	:: DBCCategories

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[IssuelId]

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

RESPONSE

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

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

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

RedirectResponseSuccess		
EP	/issues/	
NN	error_message	:: str

# REQUEST

```
+! P.issue_id
|> str.Strip
|> orelse raise ValidationError
```

```
+? 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
```

```
+! D.c_issues
```

```
+! D.c_categories
```

```
+? F.url
|> db.FindOne(issues.url)
|> redirect RedirectResponseError(issue.id)
|> permissions.IsOwner(current_user.id, issues.created_by)
|> orelse redirect RedirectResponse(PermissionsErrMsg)
|> orelse db.UpdateOne(F.@ + D.current_user)
```

```
+! db.UpdateMany(categories.issues_ids.contains(P.issue_id))
```

```
+! 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)
```