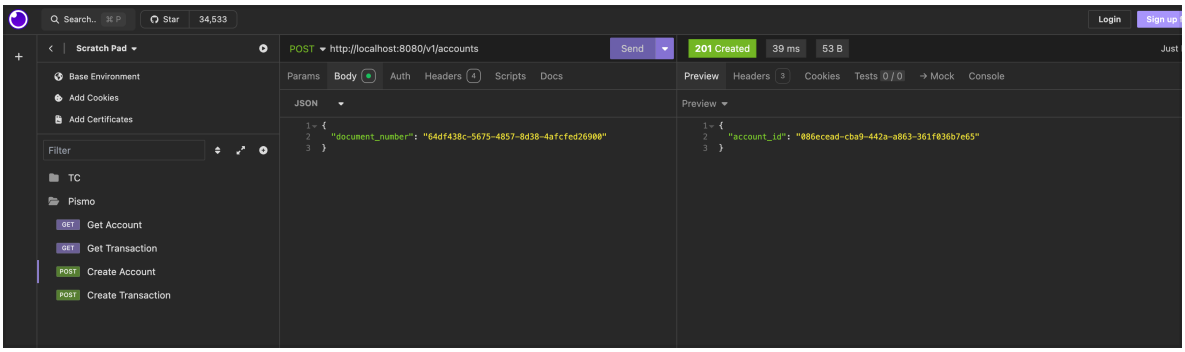
Create Account

- Happy Path



Sample logs

```
[GIN-debug] GET    /docs/*filepath           --> github.com/gin-gonic/gin.(*RouterGroup).createStaticHandler.func1 (1 handlers)
[GIN-debug] HEAD   /docs/*filepath           --> github.com/gin-gonic/gin.(*RouterGroup).createStaticHandler.func1 (1 handlers)
[GIN-debug] POST   /v1/accounts              --> github.com/ankit/project/transaction-routine/internal/server.registerCreateAccountEndpoints.CreateAccount.func1 (3 handler
s)
[GIN-debug] GET    /v1/accounts/:account_id  --> github.com/ankit/project/transaction-routine/internal/server.registerGetAccountEndpoints.GetAccount.func1 (3 handlers)
[GIN-debug] POST   /v1/transactions          --> github.com/ankit/project/transaction-routine/internal/server.registerCreateTransactionEndpoints.CreateTransaction.func1 (3
 handlers)
[GIN-debug] GET    /v1/transactions/:transaction_id --> github.com/ankit/project/transaction-routine/internal/server.registerGetTransactionEndpoints.GetTransaction.func1 (
3 handlers)
2024/10/14 21:38:56 Starting Server
2024-10-14T21:41:47.992+0530    INFO    service/accounts.go:19  received request for create account operation, txid : 55095ace-d7e0-41db-91d8-b039a46a0420
2024-10-14T21:41:47.992+0530    INFO    service/accounts.go:22  user request for account creation is unmarshalled successfully, txid : 55095ace-d7e0-41db-91d8-b039a46a0420
2024-10-14T21:41:47.992+0530    INFO    service/accounts.go:45  calling db layer for account creation, txid : 55095ace-d7e0-41db-91d8-b039a46a0420
2024-10-14T21:41:47.997+0530    INFO    db/accountoperations.go:52      successfully added the account entry in db, txid: 55095ace-d7e0-41db-91d8-b039a46a0420
2024-10-14T21:44:37.492+0530    INFO    service/accounts.go:19  received request for create account operation, txid : c2eaec9a-79fe-4bf1-b427-a650d611bd09
2024-10-14T21:44:37.492+0530    INFO    service/accounts.go:22  user request for account creation is unmarshalled successfully, txid : c2eaec9a-79fe-4bf1-b427-a650d611bd09
2024-10-14T21:44:37.492+0530    INFO    service/accounts.go:45  calling db layer for account creation, txid : c2eaec9a-79fe-4bf1-b427-a650d611bd09
2024-10-14T21:44:37.512+0530    INFO    db/accountoperations.go:52      successfully added the account entry in db, txid: c2eaec9a-79fe-4bf1-b427-a650d611bd09
2024-10-14T21:45:28.468+0530    ERROR   middleware/inputvalidation.go:62        document number field is missing while creating an account, txid : c096b9ae-a6cb-46e0-991b-
30feff484a0a
```

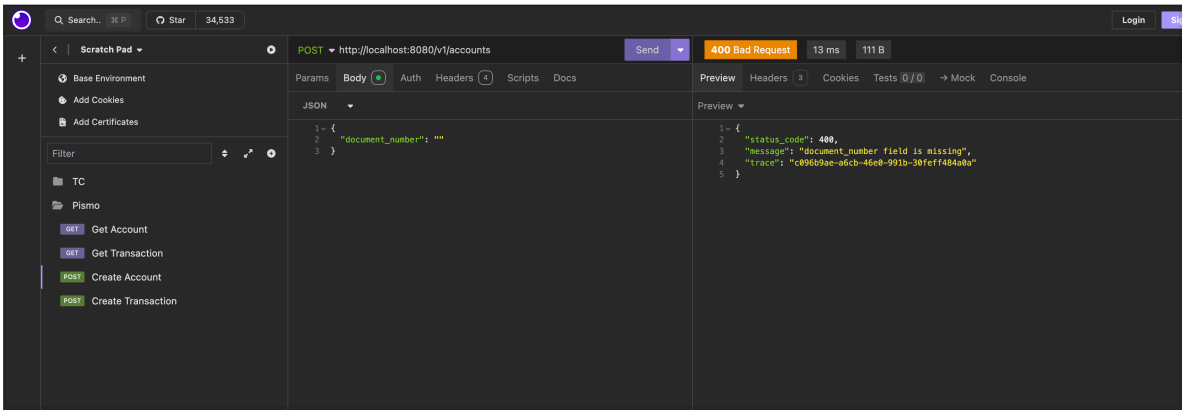
Values in DB

```
1  SELECT id, document_number
2      FROM pismodata.transaction_routine_accounts_data;
3
4  Select * from pismodata.transaction_routine_transactions_data;
5
6      delete from pismodata.transaction_routine_transactions_data;delete from pismodata.tra
```

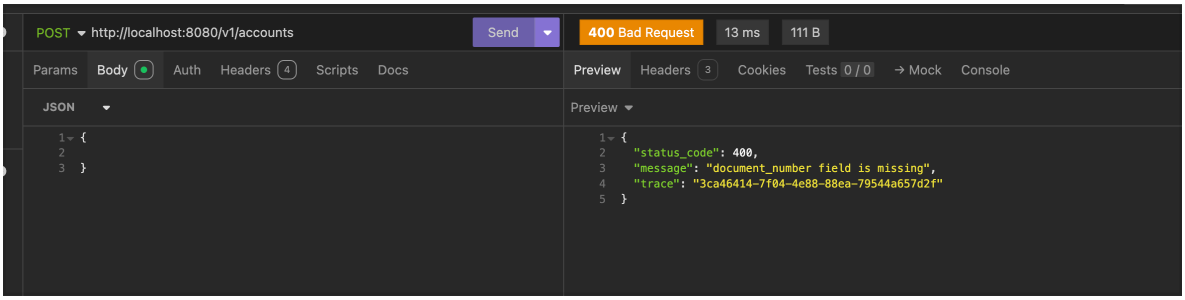
Data Output | Messages | Notifications

	id [PK] character varying (255)	document_number character varying (255)
1	086ecead-cba9-442a-a863-361f036b7e65	64df438c-5675-4857-8d38-4afcfed26900

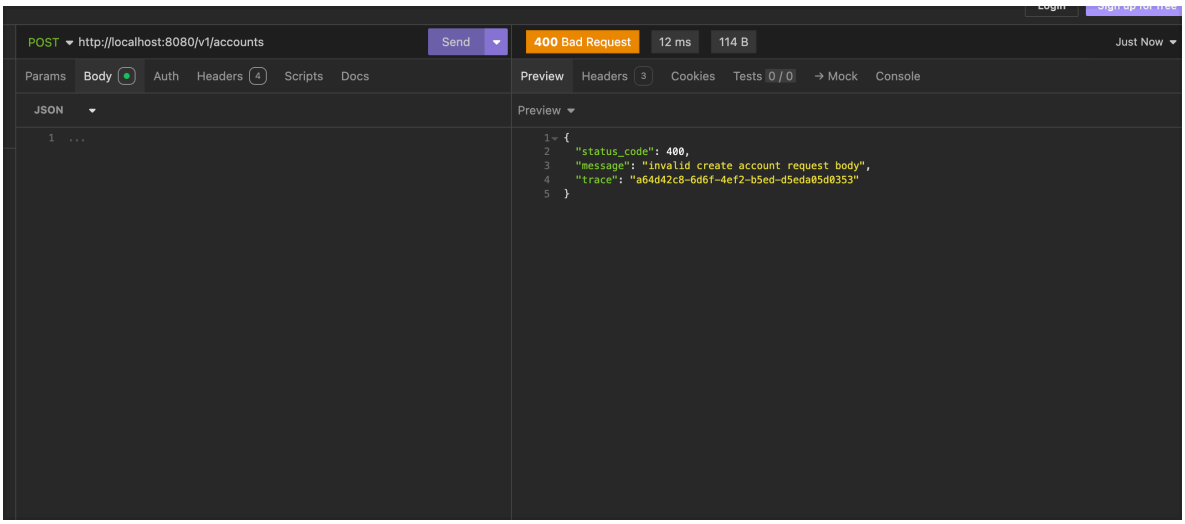
If document_number value is not there



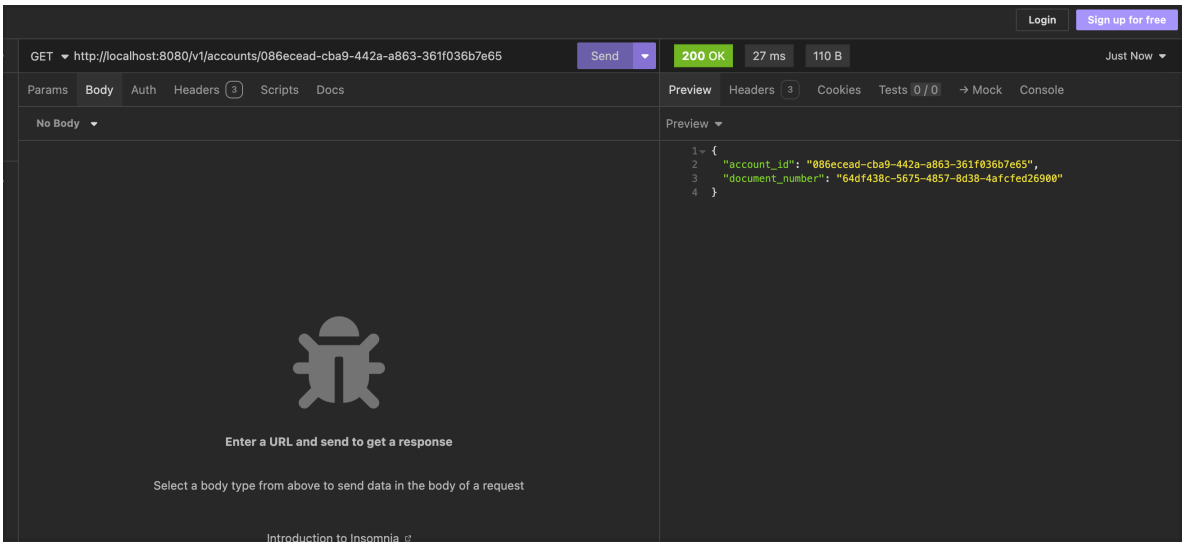
If document_number is not at present in request body



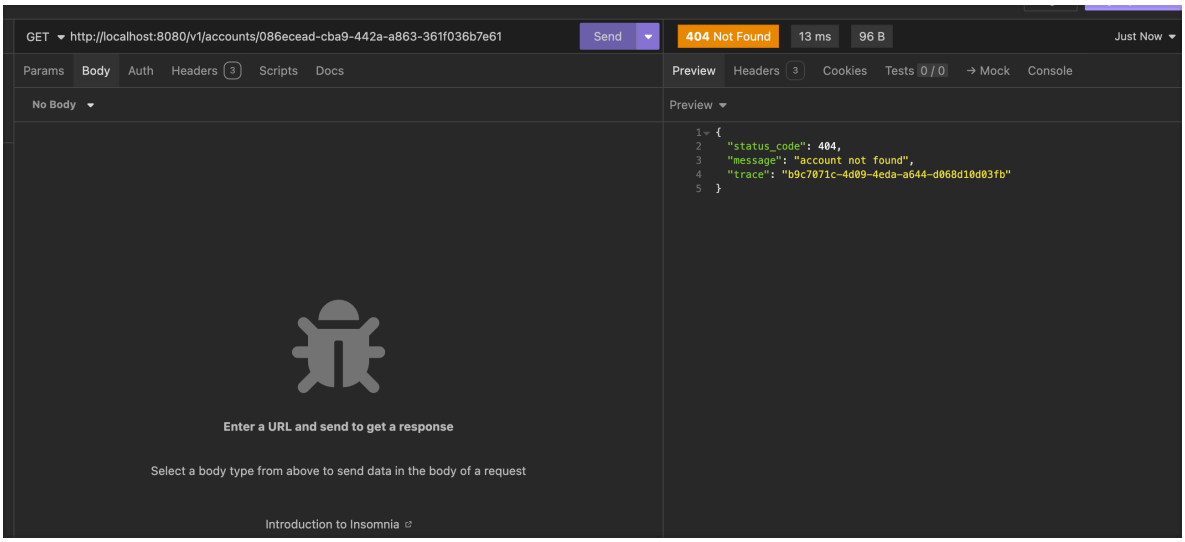
If no request body is present at all



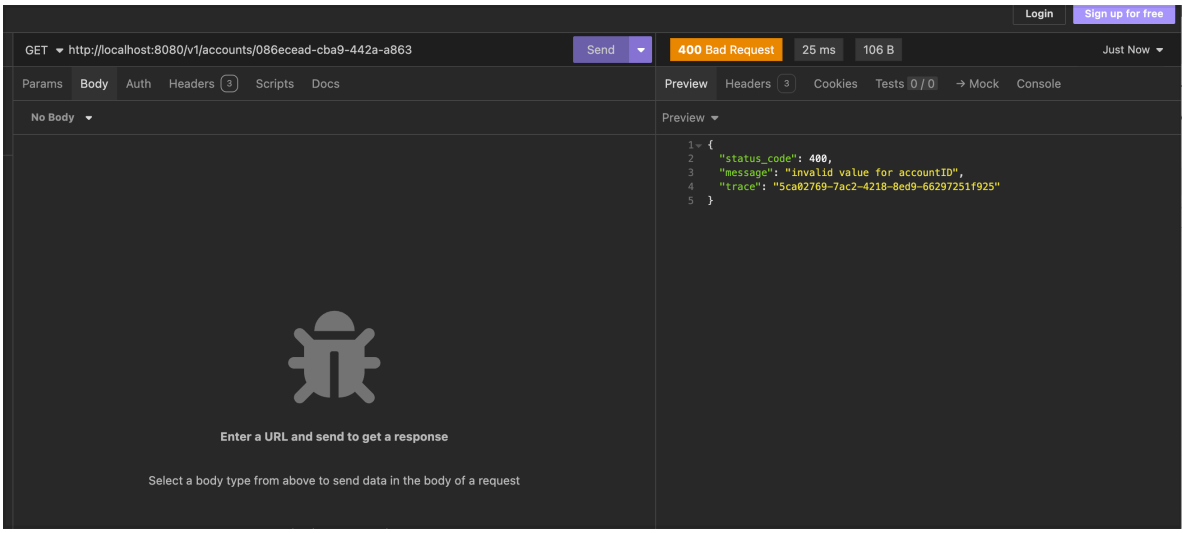
Calling GetAccountByID on the newly created account.



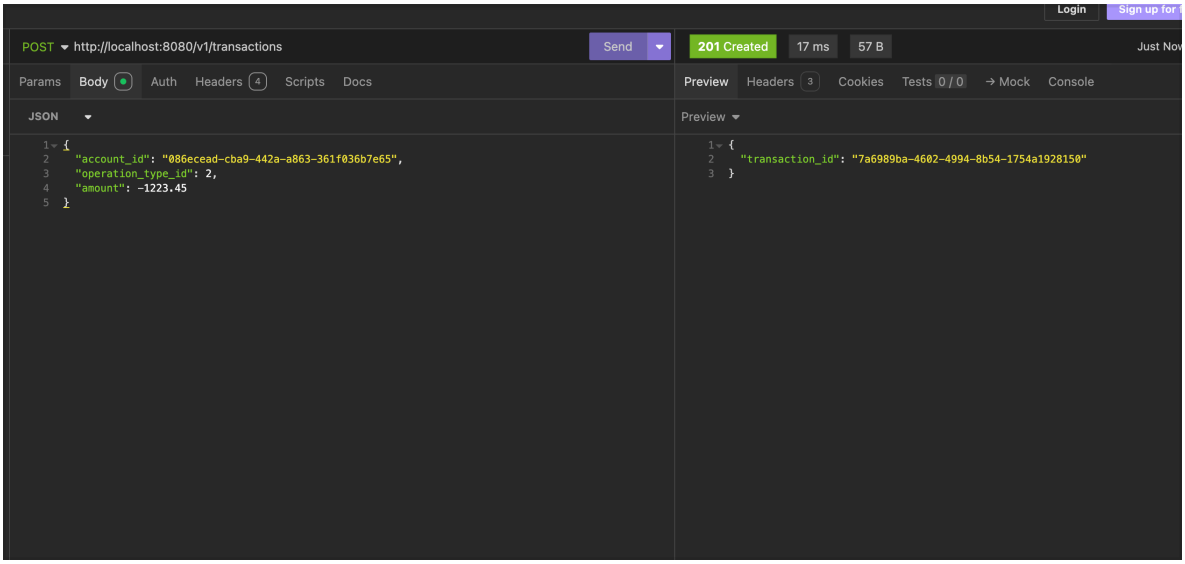
If account id not present in db

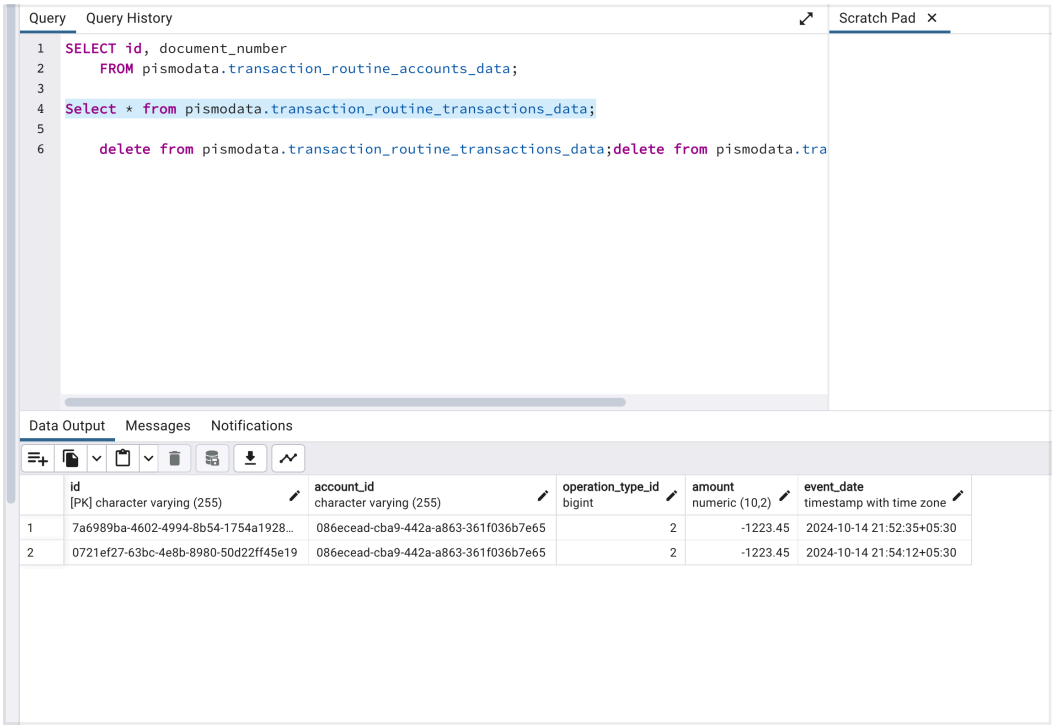


If account id is not valid uuid

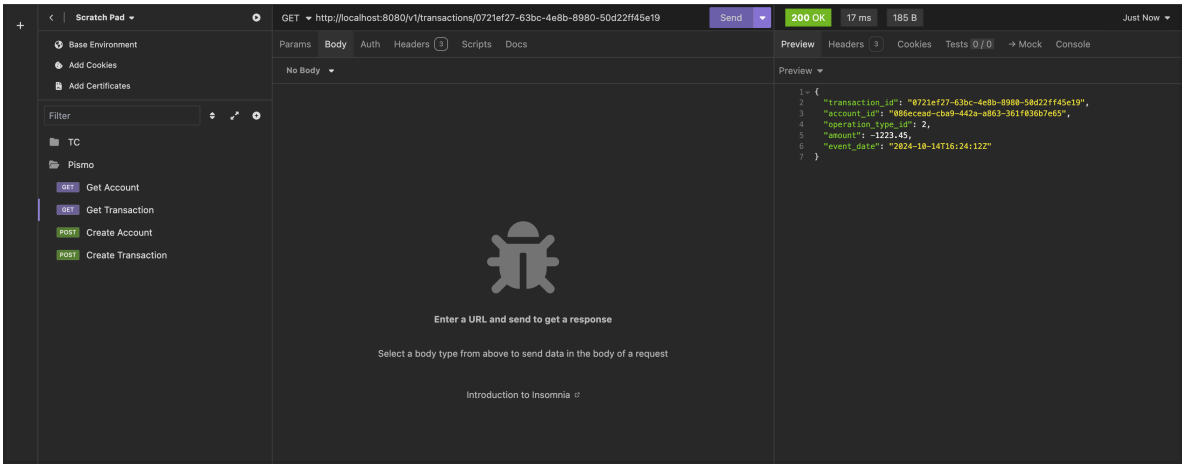


Create Transaction Happy Path



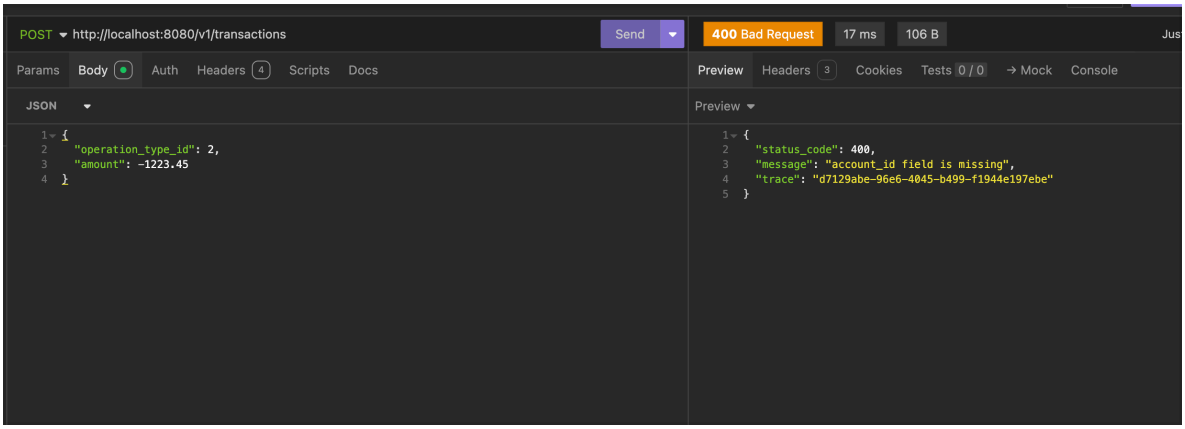


Get Transaction

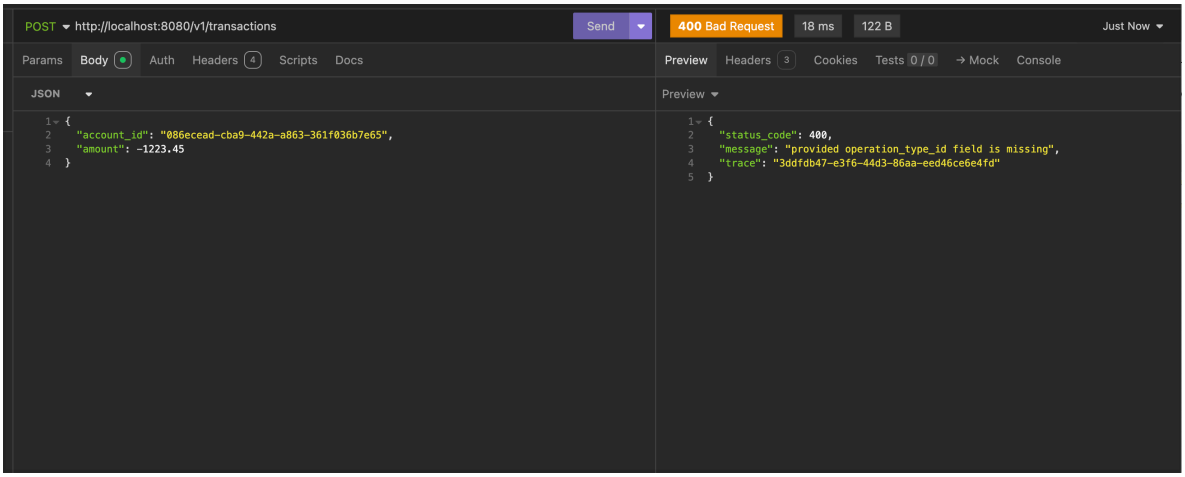


Negative scenerios for create transactions

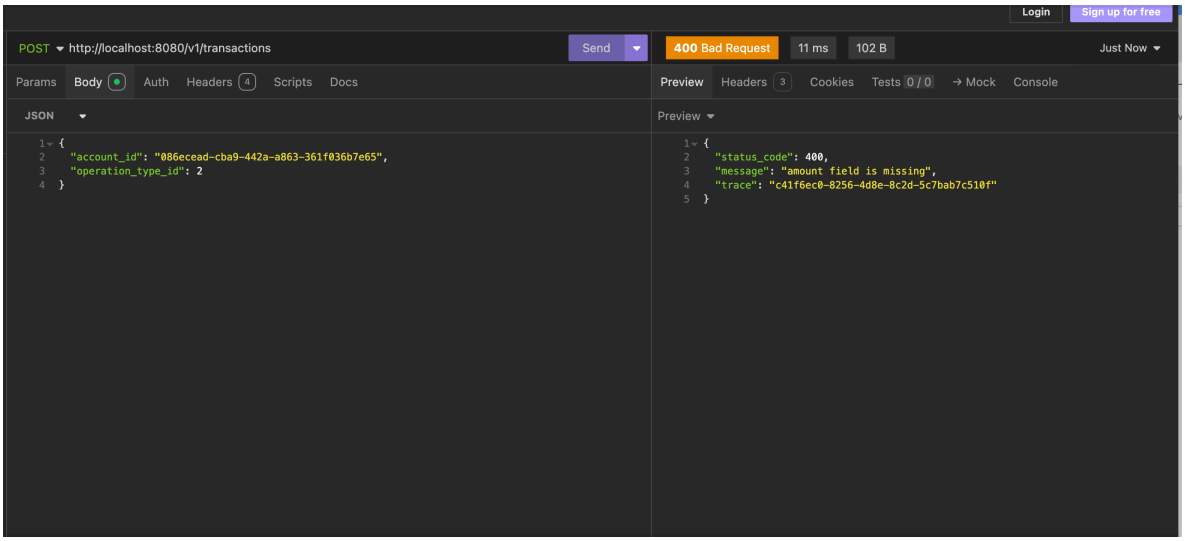
If account_id is not there in the request body



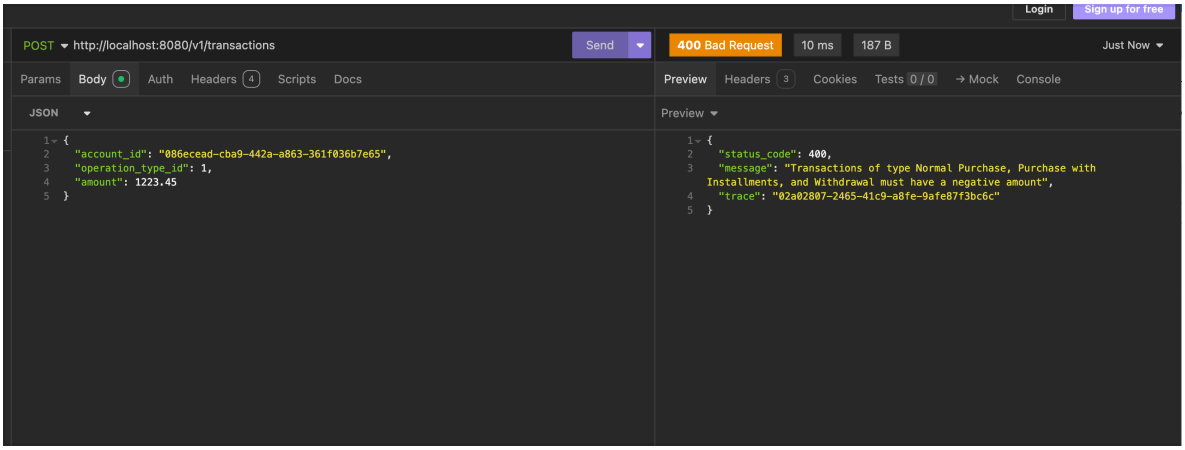
If operation_type_id is not there in the request body

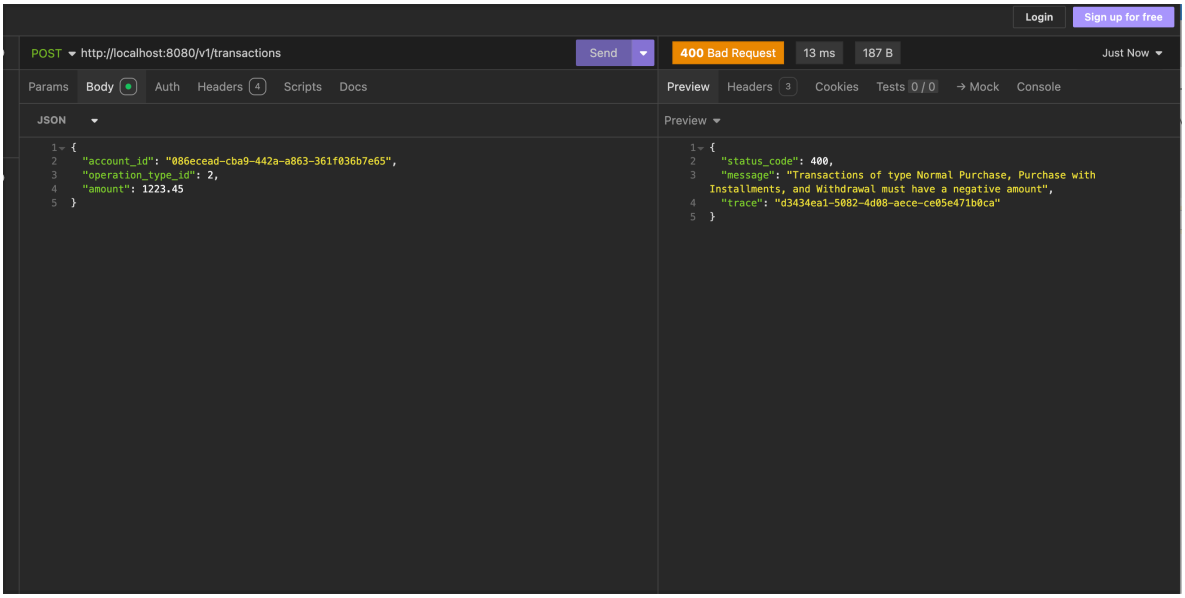


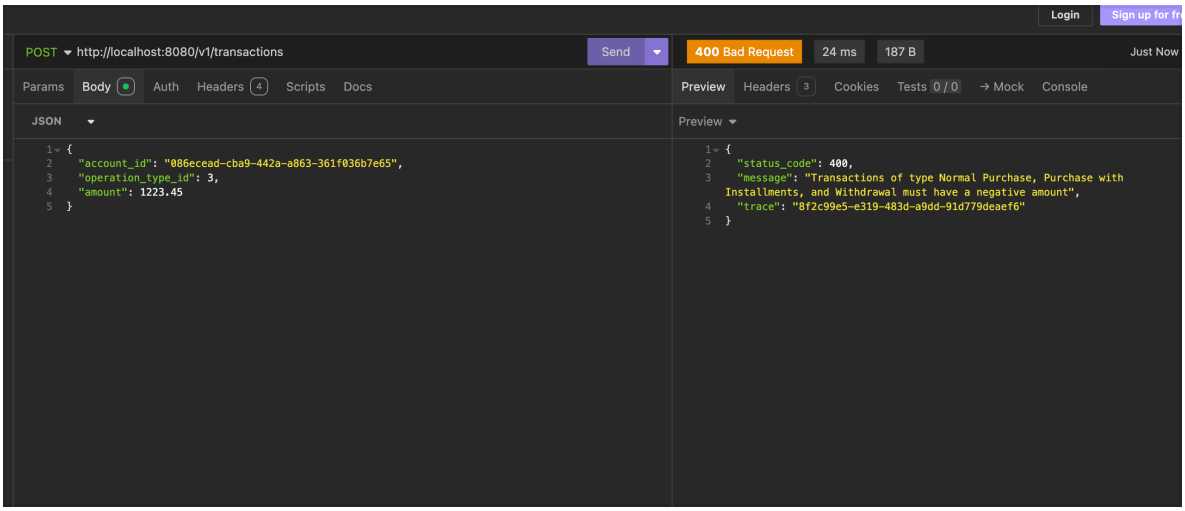
If amount is missing in the request body



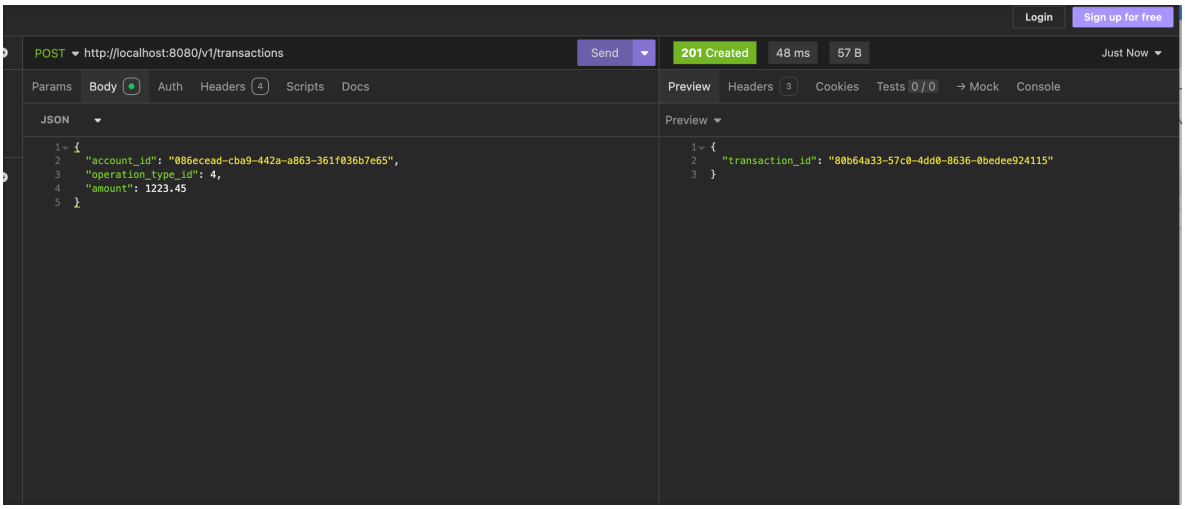
If amount is positive for operation_type_id 1, 2, or 3



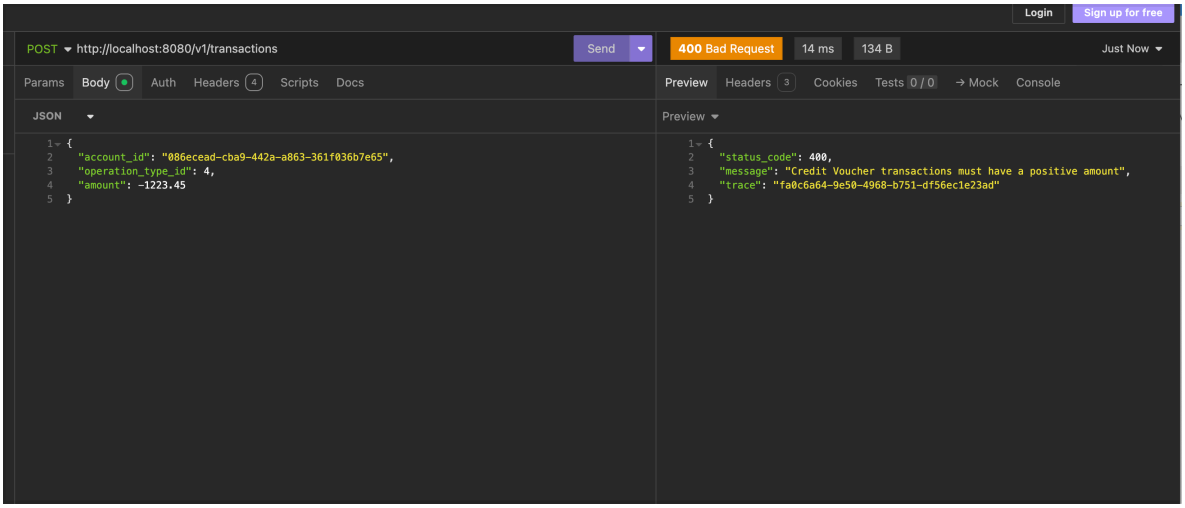




Positive amount with operation_type_id 4



Negative amount with operation_type_id 4



Error scenario has gin stack printed for easy debugging

```
        /Users/ankitchahal/dev/go/pkg/mod/golang.org/toolchain@v0.0.1-go1.23.1.darwin-arm64/src/net/http/server.go:2092
2024-10-14T22:04:10.863+0530    ERROR   middleware/inputvalidation.go:124       transactions of type Normal Purchase, Purchase with Installments, and Withdrawal must have
a negative amount, txid : 02a02807-2465-41c9-a8fe-9afe87f3bc6c
github.com/ankit/project/transaction-routine/internal/middleware.validateCreateTransactionInput
        /Users/ankitchahal/dev/go/src/github.com/ankit/project/transaction-routine/internal/middleware/inputvalidation.go:124
github.com/ankit/project/transaction-routine/internal/server.Start.ValidateInputRequest.func2
        /Users/ankitchahal/dev/go/src/github.com/ankit/project/transaction-routine/internal/middleware/inputvalidation.go:45
github.com/gin-gonic/gin.(*Context).Next
        /Users/ankitchahal/dev/go/pkg/mod/github.com/gin-gonic/gin@v1.10.0/context.go:185
github.com/gin-gonic/gin.CustomRecoveryWithWriter.func1
        /Users/ankitchahal/dev/go/pkg/mod/github.com/gin-gonic/gin@v1.10.0/recovery.go:102
github.com/gin-gonic/gin.(*Context).Next
        /Users/ankitchahal/dev/go/pkg/mod/github.com/gin-gonic/gin@v1.10.0/context.go:185
github.com/gin-gonic/gin.(*Engine).handleHTTPRequest
        /Users/ankitchahal/dev/go/pkg/mod/github.com/gin-gonic/gin@v1.10.0/gin.go:633
github.com/gin-gonic/gin.(*Engine).ServeHTTP
        /Users/ankitchahal/dev/go/pkg/mod/github.com/gin-gonic/gin@v1.10.0/gin.go:589
net/http.serverHandler.ServeHTTP
        /Users/ankitchahal/dev/go/pkg/mod/golang.org/toolchain@v0.0.1-go1.23.1.darwin-arm64/src/net/http/server.go:3210
net/http.(*conn).serve
        /Users/ankitchahal/dev/go/pkg/mod/golang.org/toolchain@v0.0.1-go1.23.1.darwin-arm64/src/net/http/server.go:2092
```