

## Inclusion – Milestone 3

Andrew Rodriguez

14 Sep 2025

CST-391

## **Project Overview**

- Purpose: Personal Bible study web app to manage verse-specific comments across translations.
- Backend: REST API with CRUD operations.
- Database: MySQL with multiple tables to support functionality.
- Tools: Node.js, Express, TypeScript, Postman, MySQL Workbench

```
__________ modifier_ob.
  mirror object to mirror
mirror_mod.mirror_object
 peration == "MIRROR_X":
eirror_mod.use_x = True
mirror_mod.use_y = False
lrror_mod.use_z = False
 _operation == "MIRROR_Y"
____ror_mod.use_x = False
lrror_mod.use_y = True
 lrror_mod.use_z = False
  operation == "MIRROR_Z"
  rror_mod.use_x = False
  lrror_mod.use_y = False
  rror_mod.use_z = True
  melection at the end -add
   ob.select= 1
   er ob.select=1
   ntext.scene.objects.action
   "Selected" + str(modified
   irror ob.select = 0
  bpy.context.selected_obj
  lata.objects[one.name].sel
  int("please select exactin
  --- OPERATOR CLASSES ----
      mirror to the selected
    ject.mirror_mirror_x*
  ext.active_object is not
```



Successfully implemented **CRUD** endpoints.

## Implementation & Key Learnings



**Lesson learned:** Routing and structuring custom API endpoints in Express with TypeScript.



Smooth workflow; **no major bugs** or issues encountered.



Postman used to verify API functionality; database changes confirmed in MySQL Workbench.



Continue improving API documentation.

## Next Steps / Future Work



Prepare for integrated frontend connections in future milestones.



Refine database queries and potential error handling for scalability.