

PickleJar Bot Pre-Deployment Checklist

Use this checklist to ensure your bot is ready for deployment:

Environment Variables

- ☐ Set `DISCORD_BOT_TOKEN` in `.env` file with your actual bot token
- ☐ Set `DATABASE_URL` in `.env` file with your PostgreSQL connection string
- ☐ If deploying to Railway, add these as environment variables in the Railway dashboard

Database

- ☐ Ensure PostgreSQL is set up (local or Railway)
- ☐ Verify that `postgresql_schema_optimized.sql` is in the project root

Project Structure

- ☐ Confirm all needed files are present:
 - ☐ `main.py`
 - ☐ `/cogs` directory with all cog files
 - ☐ `/utils` directory with utility files
 - ☐ `requirements.txt`
 - ☐ `railway.json` (if deploying to Railway)
- ☐ Remove any redundant or old files:
 - ☐ Any duplicate `main.py` files
 - ☐ Old bot files in `/bots` directory that have been moved to `/cogs`

Configuration

- ☐ Update `config.json` with your preferred settings:
- ☐ Pickle reward words and messages
- ☐ Moderation settings and thresholds
- ☐ Check that command prefix is set as desired in `main.py`

Permissions

- ☐ Ensure your bot application has the necessary intents enabled in the Discord Developer Portal:
 - ☐ SERVER MEMBERS INTENT
 - ☐ MESSAGE CONTENT INTENT
 - ☐ PRESENCE INTENT

☐ Generate an invite link with proper permissions:

- Administrator (for full functionality)
- Or specific permissions:
 - Manage Roles
 - Manage Channels
 - Kick Members
 - Ban Members
 - Manage Messages
 - Read Messages/View Channels
 - Send Messages
 - Add Reactions

Testing

- ☐ Test the bot locally before deployment:
- ☐ Run `python main.py` and ensure it starts without errors
- ☐ Check that it connects to the database successfully
- ☐ Test basic commands like `!ping`

Documentation

- ☐ Update README.md with any custom configurations
- ☐ Add any additional commands or features to the documentation

Deployment (Railway)

- ☐ Initialize Git repository (if not already done):

bash

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```
git init
git add .
git commit -m "Initial commit ready for deployment"
```

- ☐ Link to your GitHub repository:

bash

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```
git remote add origin https://github.com/yourusername/pickle_jar_bot.git
git push -u origin master
```

- ☐ Connect repository to Railway

- ☐ Add PostgreSQL plugin
 - ☐ Set environment variables
 - ☐ Deploy application
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Last Minute Checks

- ☐ Bot token is not hardcoded anywhere in the files
- ☐ All print statements are replaced with proper logging
- ☐ No debugging code left in production files
- ☐ Database schema matches the queries in your code
- ☐ All cogs listed in `main.py` exist and load properly