PS C:\Users\DELL\OneDrive\Desktop\Computer Programming\Javascript\restaurant_management _system> git push -u origin main

To https://github.com/8ven0m8/restaurant-management-system.git
! [rejected] main → main (fetch first)
error: failed to push some refs to 'https://github.com/8ven0m8/restaurant-management-system.git'
hint: Updates were rejected because the remote contains work that you do not
hint: have locally. This is usually caused by another repository pushing to
hint: the same ref. If you want to integrate the remote changes, use
hint: 'git pull' before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.

The error occurs because your GitHub repository has changes that don't exist locally. Here's how to fix this:

Step-by-Step Solution:

1. **Pull Remote Changes First**:

```
git pull origin main --rebase
```

2. **If Conflicts Occur**:

```
# Resolve any conflicts marked in files
git add .
git rebase --continue
```

3. **Force Push (If Needed)**:

```
git push -f origin main
```

Detailed Explanation:

Step	Command	Purpose
1	`git pull origin main --rebase`	Integrates remote changes while keeping your local commits on top
2	`git add .` + `git rebase --continue`	Resolves merge conflicts if they exist

Step	Command	Purpose
3	`git push -f origin main`	Force push only if you're sure about overwriting remote history

Why This Happened:

- You likely initialized the GitHub repo with a README/license file

- Local and remote histories diverged

- Git protects against accidental overwrites

Best Practice Tip:
Always pull before pushing:

```
git pull origin main
git push origin main
```

For New Repositories Next Time:

1. Create GitHub repo **without** initial files

2. Follow standard workflow:

```
git init
git add .
git commit -m "Initial commit"
git remote add origin <repo-url>
git push -u origin main
```

Your project files look complete and properly structured. After resolving the push conflict, your restaurant management system will be fully hosted on GitHub.

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