GitHub Flow □□□ □□

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1. GitHub Flow □□
2. □□□□ □□ □□
3. □□ □□□□□□
4. □□ Git □□□□
5. □□ □□ □□
6. GitLab□□□ MR(Merge Request) □□
7. □□ □□□□□ □□□□ □□ □□
8. □□□□□ □□ □□ □□

GitHub Flow □□

GitHub Flow□ □□□□□ □□□□□ □□□□ □□ □□□□□ , □□□□□ □□□□ □□ (CI/CD)□ □□□□□□ .
□□□□ □□□□ □□ □□ Main(□□ Master) □□□□□ □□□□□ □□□□ □□□□□ □□□□□ □□□□□
□□□□□□ .

GitHub Flow□ □□ □□

1. **Main** □□□□□ □□ □□ □□□□ □□□□ □□
2. □□□□ □□□□ □□ □□ □□□□□□ □□
3. □□□□□□ □□ □□□□□ □□□□□ □□ □□ □□
4. **Merge Request(MR)**□ □□ □□ □□ □ □□
5. **Main**□ □□□□□ □□ □□ □□

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GitHub Flow□□□ □□□□□ □□□□ □□ □□□□□□ :

1. **Main** □□□ : □□ □□□□□□ □□ □□□□ □□□□ □□
2. □□ □□□□ : Main□□ □□□□□ □□□□ □□ , □□ □□ □ □□ □□

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- `feature/login-page`: □□□ □□ □□
- `bugfix/login-error`: □□ □□
- `hotfix/security-issue`: □□ □□
- `docs/api-documentation`: □□ □□
- `refactor/user-service`: □□ □□□□

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GitHub Flow□ □□ □□□□□□ □□□ □□□□ :

1. **Main** □□□□□ □□ □□ □□□□
2. □□ □□□ □□
3. □□ □□ □ □□
4. □□ □□□□ □□
5. **Merge Request(MR)** □□
6. □□ □□ □ □□
7. □□□ □□ □□
8. **Main** □□□□ □□
9. □□
10. □□ □□□ □□

□□ Git □□□

1. □□□ □□

```
# □□□ □□ □□
git clone https://gitlab.company.com/project/repository.git
cd repository
```

```
# □□□ □□ □□□□ □□ □□
git clone --single-branch --branch [branch-name] https://gitlab.company.com/project/repository.git [my-directory]
```

```
cd my-directory
```

2. □□□ □□

```
# □□ □□□ □□
git branch

# □□ □□□ □□□ □□ □□□ □□
git branch -a

# Main □□□□□ □□ □□ □□□□
git checkout main
git pull

# □ □□ □□□ □□ □ □□
git checkout -b feature/user-authentication

# □□ □□□□ □□
git checkout feature/user-authentication
```

3. □□□ □□

```
# □□□ □□ □□
git status

# □□ □□ □□□□
git add src/components/LoginForm.js

# □□ □□ □□ □□□□
git add .

# □□ □□ □□
git commit -m "□□□ □ UI □□ "

# □□ □□□□ □□
git log
git log --oneline --graph
```

4. □□ □□□ □□

```
# □□ □□□□ □□
git push origin feature/user-authentication

# □□ □□□□□ □□□□ □□□□
git pull origin feature/user-authentication

# □□ □□□ □□
git remote -v
```

5. □□□ □□

```
# Main □□□ □□□
git checkout main
git pull

# □□ □□□ □□ (□□□□□ MR□ □□ □□ )
git merge feature/user-authentication

# □□□ □□ (□□ )
git branch -d feature/user-authentication

# □□□ □□ (□□ )
git push origin --delete feature/user-authentication
```

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1. □□ □□ □□

```
# □□ □□ □□□□
git checkout main
git pull
```

```
# □□  □□□  □□
git checkout -b feature/login-implementation
```

2. □□ □ □□

```
# □□□ □□□□ □□ □□ □ □□ □□
# ... □□ □□ ...

# □□ □□ □□
git status

# □□ □□ □□□□ □ □□
git add src/components/Login.js
git commit -m "□□□ □□□□ □□ □□ □□ "

# □□ □□ □□
# ... □□ □□ ...

# □□ □□ □□□□ □ □□
git add src/api/authService.js
git commit -m "□□□ API □□ □□ □□ "

# □□□ □□□ □□
# ... □□□ □□ ...

git add src/styles/login.css
git commit -m "□□□ □□□ □□□□ □□ "
```

3. □□□ □□ □□□ □□

```
# □□ □□□ □□ □□□□ □□
git push origin feature/login-implementation
```

4. □□□ □ □□ □□

```
# □□  Main □□□  □□□  □□  □□  □ □□
git checkout main
git pull
git checkout feature/login-implementation
git merge main

# □□□  □□□  □□
# ... □□  □□  ...

git add .
git commit -m "Main □□□□  □□  □□  "

# □□  □□□  □ □□
git push origin feature/login-implementation
```

5. MR □□ □ □□ □ □□

```
# MR□ □□□□  □□□  □ , □□  □□□  □□
git checkout main
git pull
git branch -d feature/login-implementation
```

GitLab□□□ MR □□

GitLab□□ Merge Request(MR)□ □□ □□□ □□□ □□ □□ □□□□□ .

MR □□ □□

1. GitLab □ □□□□□□□ □□□□□ □□
2. □□ □□□□ "Merge Requests" □□
3. "New merge request" □□ □□
4. □□ □□□ (□□ □□□)□ □□ □□□ (main) □□
5. "Compare branches and continue" □□
6. MR □□ , □□ , □□□ , □□□ □ □□ □□
7. "Submit merge request" □□

□□□□ MR □□ □□□

- □□□□ □□ : □□□□ □□□□□□ □□□□ □ □ □□ □□
- □□□□ □□ :
  - □□ □□ □□
  - □□□□ □□
  - □□ □□ □□
  - □□□□□ (UI □□ □)
- □□ □□□□ □□ : □□□□□ □□□□ MR□ □□ □□
- □□ □□ : □□ □□ , □□ □□ □ MR□ □□ □□

□□ MR □□

```
## □□□□ □□ □□

### □□ □□
- □□□□ □□□□ UI □□
- □□ API □□
- □□□□ □□ □□ □□ □□
- □□□□ □□ □ □□ □□

### □□□□ □□
1. `/login` □□□□ □□
2. □□□□ /□□□□ □□ □□□□ □□□□ □□
3. □□□□ □ □□□□□□ □□□□□□ □□

### □□ □□
- Closes #42

### □□□□□
[□□□□ □□ □□□□□ ]
```

□□ □□□□ □□□ □□ □□

1. □□ □□ (Merge Conflict)

□□ : □□ □□□□ □□ □□□□ □□ □□□□□ □□□□□ □□

□□ □□ :

```
# □□ □□ □□
git status

# □□ □□ (□□ □□ )
# <<<<<< HEAD (□□ □□□ □□ )
# ======= (□□□ )
# >>>>>>> feature/branch (□□□ □□□ □□ )

# □□ □□ □ □□
git add .
git commit -m "□□ □□ "
```

2. □□□ Main□ □□ □□□ □□

□□ : GitHub Flow□ □□□□ Main□ □□ □□□□□ □□

□□ □□ :

```
# □□□ □□□□ □□ □ □□□□ □□
git checkout -b feature/intended-changes
git push origin feature/intended-changes

# Main □□□ □□
git checkout main
git reset --hard origin/main
git pull
```

3. □□ □□□ □□

□□ : □□□ □□□ □□□□ □□□□ □

□□ □□ :

```
# □□□ □□ □□□ □□
git commit --amend -m "□□□ □□ □□□ "
```

```
# □□ □□□ □□□ □□ (□□ : □□ □ □□□ □ □ □□ )
git push origin feature/branch --force
```

□□□□ □□ □□ □□

□□□□ □□ □

1. □□ □□□□ □□□ □□ : □ □□ □□ □□ □□□ □□ □□ □□□ , □□□□ □□□ □□
2. □□□□ □□□ □□□ □□ : □□□ □□□□ □□□ □□□ □□□□ □□
3. □□□□ □□□□ □□ : □□□□□ □□□ □ □□□ □□□ □□
4. □□□ □□□ □□ □□ □□ : "□□□ □□□□ "□ □□ "□□ □□□ □□□ □□□□ □□ □ □□□□ "

MR □□□□ □□ □

1. □□ □□ □□ : MR□ □□□□ □□ □□□ □□□ □□ □□
2. □□□ □□□ □□ : □□□ □□□□ □□□□ □□□ □ □□ □□□ □□
3. □□□ □□□ □□ : □□ □ MR□ □□ □□ □□ MR□ □□□
4. □□□□ □□ : □□□□ □□□ □□□□ □ □□□ □□ □□ □□

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Revision #2
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