LabSphere Development – SOP

1. Development Website

Development URL:
https://labsphere-dev.qmics.org/

The deployment pipeline is already configured for this environment.

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2. Email Login

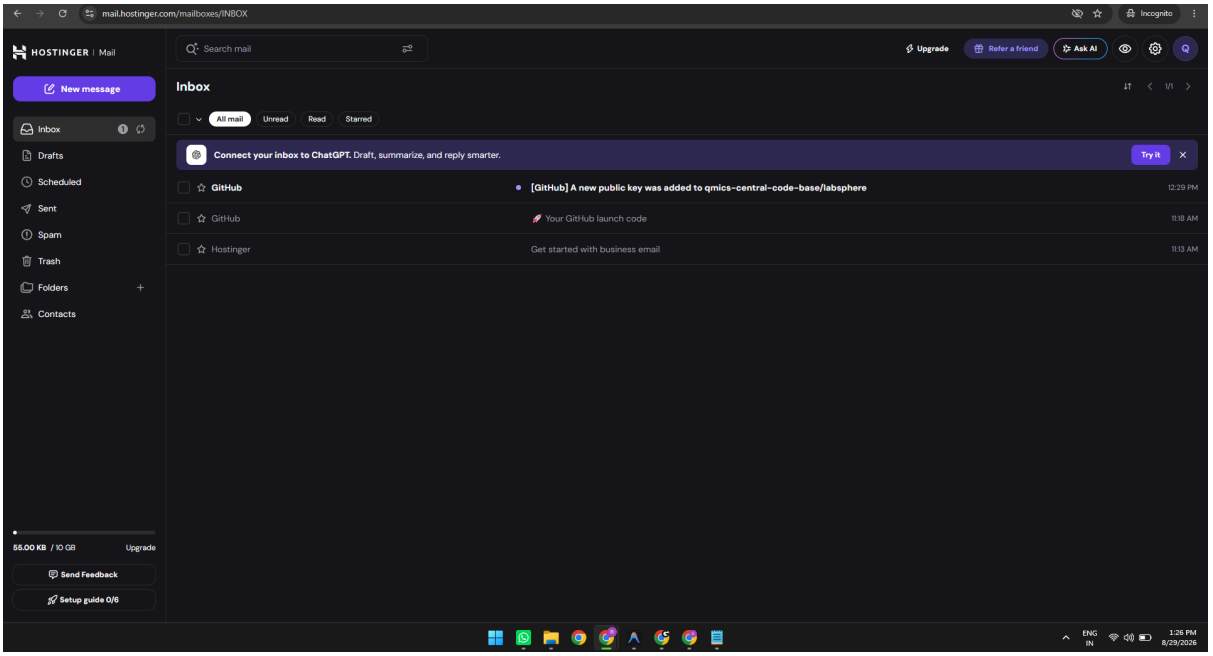
Email:
qmics-central-code-base@qmics.org

Webmail:
https://mail.hostinger.com/mailboxes/INBOX

This email is used to receive the GitHub login OTP.

Steps

1. Open Hostinger Webmail.
2. Login with the central code-base email.
3. Keep the mailbox open.
4. Open GitHub login.



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3. GitHub Login

GitHub:
https://github.com/login

Steps

1. Login to the GitHub account.
2. GitHub may ask for an email OTP.
3. Open the central code-base email.
4. Copy the OTP received from GitHub.
5. Enter the OTP to complete login.

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4. Create Personal Access Token

Go to:

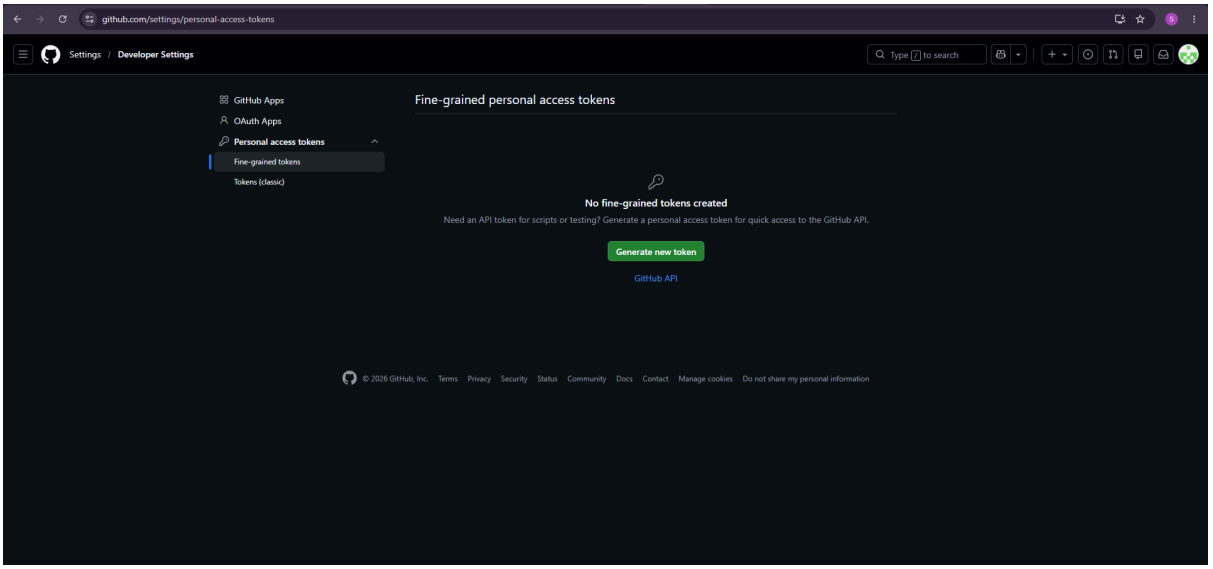
GitHub → Settings → Developer settings → Personal access tokens

Create a Personal Access Token with the required repository access.

Use this token for Git operations over HTTPS.

Important: Never share or commit the token to the repository.

Ref. YouTube vide: https://youtu.be/FugonDV6RdE



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5. Push Code Using HTTPS

Clone the repository:

```
git clone https://github.com/qmics-central-code-base/labsphere.git
cd >REPOSITORY-directory>
```

Before making changes:

```
git pull origin main
```

After making changes:

```
git status
git add .
git commit -m "Update changes"
git push origin main
```

When Git asks for credentials:

Username: GitHub username

Password: Personal Access Token

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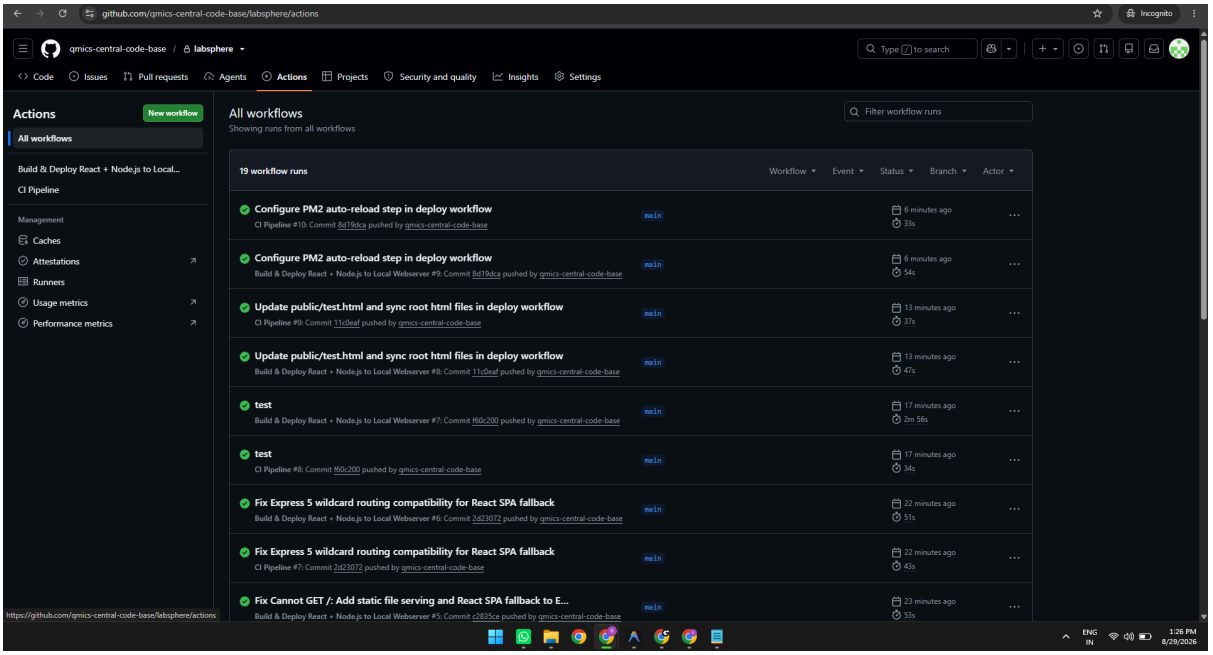
6. Verify Deployment

After pushing the code:

1. Check the GitHub Actions / deployment pipeline.
2. Wait for the pipeline to complete successfully.
3. Open:

https://labsphere-dev.qmics.org/

4. Verify the changes.



Green ticks means deployed to server successfully.

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7. Important

- Always pull the latest code before making changes.
- Check `git status` before committing.
- Do not commit passwords, OTPs, API keys, or tokens.
- Do not use `git push --force` unless authorized.
- Verify the deployment after every push.