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# **GitHub Actions & Pages Setup Guide**

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# 1 GitHub Actions & Pages Setup Guide

## 1.1 Issues Fixed

All GitHub Actions issues have been resolved:

1. **Missing typecheck script** - Added to package.json
2. **ESLint v9 configuration** - Created eslint.config.js
3. **Vite base path for GitHub Pages** - Added /financial-planning-u/ base path
4. **Build optimization** - Added chunk splitting and source maps
5. **Robust CI pipeline** - Added error handling for Pages setup

## 1.2 Next Steps (Manual)

### 1.2.1 Enable GitHub Pages (One-time setup)

1. Go to your repository on GitHub.com
2. Click **Settings** tab (requires admin access)
3. Scroll down to **Pages** in the left sidebar
4. Under **Source**, select **Deploy from a branch**
5. Select **Branch**: gh-pages (will appear after first successful deployment)
  
6. Select **Folder**: / (root)
7. Click **Save**

### 1.2.2 Verify the Fix

After enabling Pages, the next push to `main` should:

- Pass all build steps (typecheck, lint, build)
- Deploy successfully to GitHub Pages
- Be accessible at: <https://valencia94.github.io/financial-planning-u/>

## 1.3 What Was Fixed

### 1.3.1 CI Pipeline Steps

All these steps now work correctly:

```
[ ] npm ci # Install dependencies npm run typecheck # TypeScript validation npm run lint  
# ESLint checks (warnings only) npm run build # Optimized production build
```

### 1.3.2 Build Optimization

The build is now optimized with:

- **Manual chunk splitting** for better caching
- **Source maps** for debugging
- **Correct base path** for GitHub Pages
- **No bundle size warnings**

### 1.3.3 File Changes

- `package.json` - Added `typecheck` script
- `eslint.config.js` - New ESLint v9 configuration
- `vite.config.ts` - Added base path and build optimizations
- `.github/workflows/deploy.yml` - Made more robust with error handling
- `DEPLOYMENT.md` - Updated repository name references

## 1.4 Local Testing

You can test the full CI pipeline locally:

```
[] npm ci && npm run typecheck && npm run lint && npm run build
```

All commands should complete successfully.