HIAAA Setup Recipe

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System: HIAAA

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# 1. Overview

This document explains how Release Candidate Build 1 (RC1) of the system was built using JetBrains Rider and deployed to the CSDEV environment. It includes build setup, pipeline usage, manual IIS configuration, and database preparation steps necessary for testing.

# 2. Build Instructions (JetBrains Rider)

1. Ensure you're connected to the Heritage VPN (use FortiClient or another configured VPN client).  
2. Open JetBrains Rider.  
3. Clone the repository from Azure DevOps:   
 - Open Rider → Get from Version Control → Paste the repo URL.  
 - Authenticate with your Heritage credentials.  
4. Set the correct Git branch (usually `main` or `dev`).  
5. Update packages by opening the terminal and running `dotnet restore`.  
6. Modify the `appsettings.json` or `appsettings.Development.json`:  
 - Replace connection strings with your individual DB connection using Integrated Security:  
 `"Server=cssql.cegep-heritage.qc.ca;Database=HIAAA;User id=your-user-id;Password=your-password;TrustServerCertificate=True;"`  
 - Make sure no hardcoded usernames or passwords are present.  
7. Build the solution using Build → Build Solution or the hammer icon.  
8. Ensure no build errors and confirm that the web app runs locally before deployment.

# 3. Deployment to CSDEV (Azure DevOps)

1. Open CSAzure DevOps in your browser and log in.  
2. Go to your project → Pipelines.  
3. Locate the CSDEV pipeline.  
4. Click ‘Run Pipeline’ to build and deploy the current branch.  
5. Monitor the logs until completion.  
6. Check deployment path in the logs, usually something like:  
 `\\csdev\Projects\test\YourProjectName\YourUserName`  
7. Note the build version: RC1 or version 0.1.

# 4. Manual Post-Deployment Setup

1. Connect to the CSDEV server via Remote Desktop.  
2. Open Internet Information Services (IIS) Manager.  
3. Navigate to your deployed app folder under the Projects directory.  
4. If necessary, create an Application in IIS pointing to your project folder.  
5. Assign the site to `DefaultAppPool` or a custom AppPool created for your user.  
6. Ensure your database is on CSDEV-SQL, and your AppPool identity has read/write access.  
7. Open SQL Server Management Studio (SSMS):  
 - Connect to CSDEV-SQL.  
 - Ensure your individual DB is present.  
 - Apply any seed data or migration scripts using `dotnet ef database update` if needed.  
8. Set `Login.cshtml` as the default page in IIS (under Default Documents).

# 5. Test Data & Setup

- Make sure your DB has seed data required for login, testing roles, and navigation.  
- If you use Entity Framework migrations, ensure your migrations are up to date before pushing.  
- You may include a `seed.sql` script if using manual insert statements for test records.

# 6. Deployment Verification

To confirm deployment was successful:  
- Visit: `http://csdev.cegep-heritage.qc.ca/Projects/test/YourProjectName/YourUserName`  
- Ensure that:  
 - The login page appears.  
 - Pages load without 404 or 500 errors.  
 - User navigation works and seeded test accounts function as expected.  
 - UI elements behave normally in at least one supported browser (Chrome or Edge).

# 7. Notes

- Rider does not have direct integration with Azure DevOps, so pipelines must be run manually from the web.  
- Ensure VPN is connected before pushing commits or remote desktop sessions.  
- Do not hardcode emails, user info, or passwords in your application.  
- Always log off Remote Desktop sessions instead of shutting down the CSDEV server.