Users

Login: The username and password must be correct, otherwise there will show “User does not exist!”.

Registration:
Username must be unique, it will be used once user need to login the website that will not show on the website. Password must be 8 digit which can be edited in Account Setting, once the user needs to change the password, he will need to double confirm it.The Email address must be Usyd Email address (@uni.sydney.edu.au).The system will not display the gender by default, the user can change gender option or just leave it.

User profile: Users can edit the account password, change the profile photo (the system will automatically create a profile photo for users or they can DIY the photo by purchasing Redemption Code). Users also can edit the nickname and motto (If users do not do any change in motto, then the system will automatically show “I am an empty person.”)

Search Bar: For users searching topic (Unit code), if it does not in the system, the website will show “Topic doesn’t Exist.” Discussion board Search Bar is for users searching comments. It will show “No Such Thread!” if the comment doesn’t exist.

Topic List: Users can see all topics (Unit code) on the main page. The web staff can use the staff page to add or delete the topic and the main page will search the database and show all valid topics. It uses the iframe to make the page looks unified.

Thread List: When users click into a certain topic they can see comments of other users about this topic. They can choose to comment on certain threads or create a new thread themselves. It uses the iframe to make the page looks unified.

User Authentication: When the page loading, it will check the users’ cookies if the cookie doesn’t exist it will pop up an alert box to ask users to log in first which means users cannot use the URL to go to a certain page directly.

Administrant

Addtopic: Admin can use addtopic function to add topics in the system database. The topic name and description must be detailed, otherwise, there will have a notification. If the topic that wants to be added has already existed in the system, the system will notify about the repeat.

Check: Admin can check all the topics and replies on the check page, they do not need to shift to general user web page.

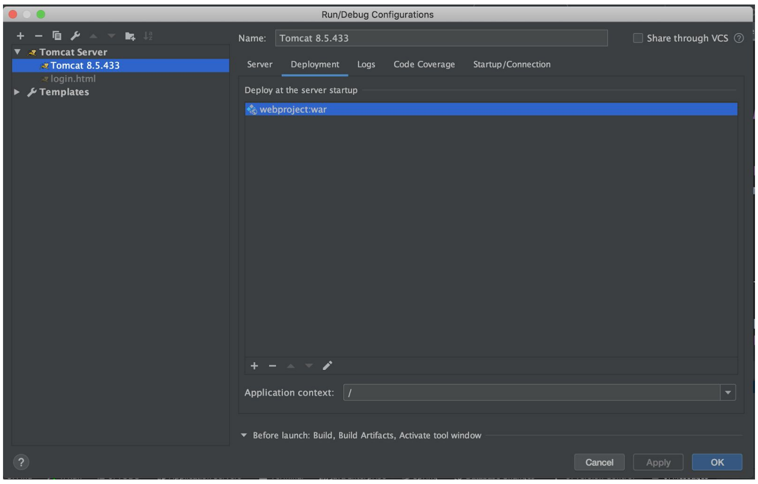
Delete: On the delete page, all the topics and users will be shown on it. Admin can use the selection box to choose one or more topics or users to delete, once the topic or user has been deleted all the relevant comments will be automatically deleted as well. Once the admin takes the action of delete, there will show the confirm notification to avoid deleting incorrectly.

Configuration

Tomcat:
This project uses html as its front end display language instead of using jsp. Hence we need you use the specific Tomcat server we provide to run this project.
The Tomcat server files are contained in the project folder:

Path: {local path}/webproject/apache-tomcat-9.0.27

The deployment configuration should be as the following image shows:



Run/Debug Configurations

Name: Tomcat 8.5.433

□ Share through VCS

Deploy at the server startup

webproject:war

Application context: /

Before launch: Build, Build Artifacts, Activate tool window

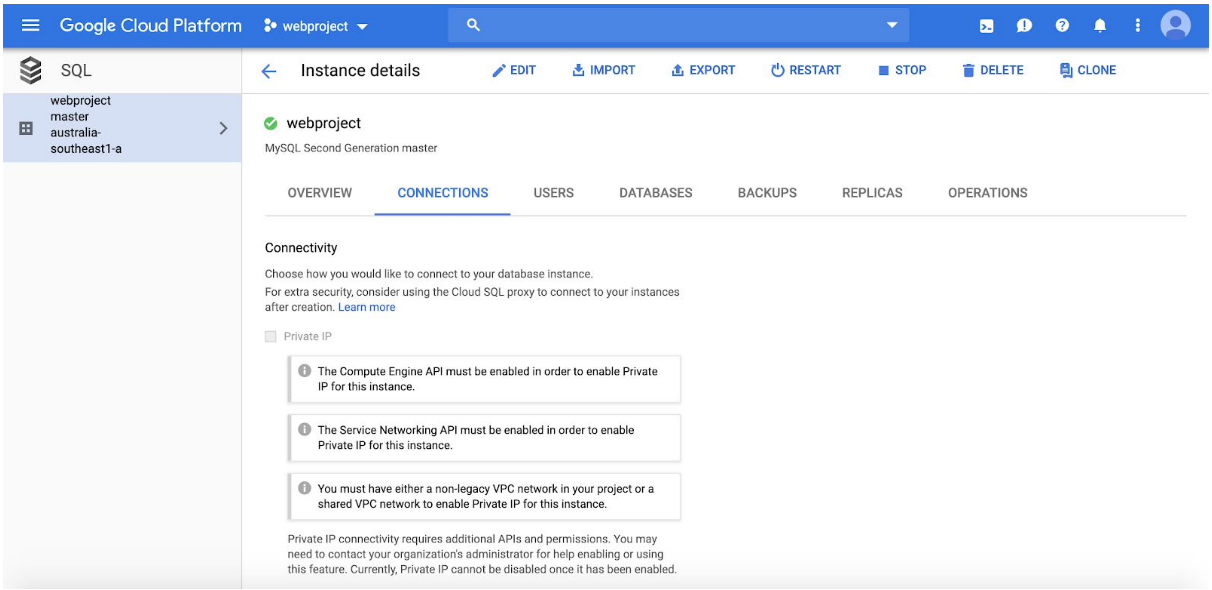
SQL connection:
Our project use Google Cloud SQL Database, hence we provide a test account for new user to visit the database with local IP.

Step 1: Login with the test Google account
Account: testcomp5619@gmail.com
Password: Tester1234

Step 2: Visit http://ip4.me to get the local IP4 address

Step 3: Visit Google Cloud Platform https://console.cloud.google.com/sql/instances/webproject/overview?project=webproject-9f90f&authuser=1&duration=PT1H

Step 4: Choose CONNECTIONS tab



webproject

MySQL Second Generation master

Connectivity

Choose how you would like to connect to your database instance.

For extra security, consider using the Cloud SQL proxy to connect to your instances after creation. Learn more

□ Private IP

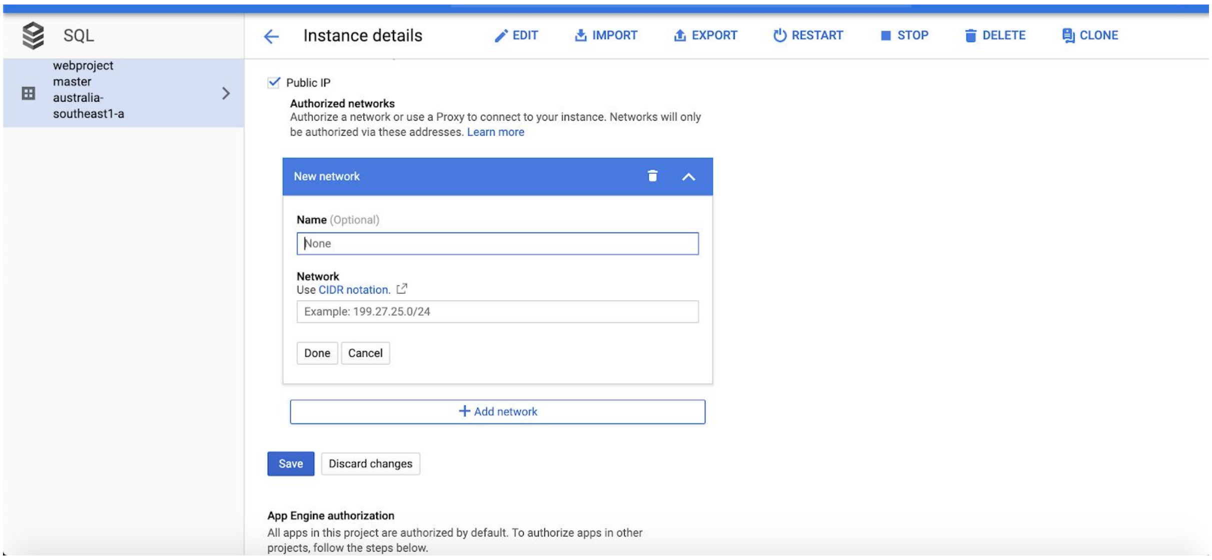
The Compute Engine API must be enabled in order to enable Private IP for this instance.

The Service Networking API must be enabled in order to enable Private IP for this instance.

You must have either a non-legacy VPC network in your project or a shared VPC network to enable Private IP for this instance.

Private IP connectivity requires additional APIs and permissions. You may need to contact your organization's administrator for help enabling or using this feature. Currently, Private IP cannot be disabled once it has been enabled.

Step 5: Add your IP4 here and save



☑ Public IP

Authorized networks

Authorize a network or use a Proxy to connect to your instance. Networks will only be authorized via these addresses. Learn more

Name (Optional)

None

Network

Use CIDR notation.

Example: 199.27.25.0/24

App Engine authorization

All apps in this project are authorized by default. To authorize apps in other projects, follow the steps below.

Then you can start to run the website in localhost, enjoy.