

## Presentation Layer

The screenshot shows a web browser displaying the 'Web Project Forum' sign-up page. The page has a navigation bar with links: Home, Create a topic, Create a category, Resource, Sign in, and create an account. The main content area is titled 'Sign up' and contains a form with fields for Username, Password, Password again, E-mail, and a captcha. The captcha image shows the number '81162'. A 'Register' button is at the bottom of the form. The footer of the page says 'Group-13'.

## Business/Logic Layer

```
$sql = "INSERT INTO
      users(user_name, user_pass, user_email ,user_date, user_level)
VALUES('" . mysql_real_escape_string($_POST['user_name']) . "',
      '" . sha1($_POST['user_pass']) . "',
      '" . mysql_real_escape_string($_POST['user_email']) . "',
      NOW(),
      0)";
```

## Data Layer



Users

### PHP Pages

The user interface is represented using PHP code as well as HTML.

To retrieve information from the data layer to present it to the user, there needs to be a logic layer. PHP code was also used for this. Functions such as sha1 were used to encrypt/decrypt user passwords much like MD5. MySQL queries using PHP were also utilized.

### Database(s)

The web forum utilized MySQL database as a server side system.

The screenshot shows the phpMyAdmin interface for a database named 'forum'. The left sidebar shows a tree view of databases, with 'forum' selected. The main area displays the 'Structure' tab for the 'forum' database, showing a list of tables: categories, posts, resources, topics, and users. Each table has a set of actions (Browse, Structure, Search, Insert, Empty, Drop) and metadata (Rows, Type, Collation, Size, Overhead). The 'users' table is highlighted.

Table	Action	Rows	Type	Collation	Size	Overhead
categories	Browse Structure Search Insert Empty Drop	3	InnoDB	latin1_swedish_ci	32 K	B
posts	Browse Structure Search Insert Empty Drop	18	InnoDB	latin1_swedish_ci	48 K	B
resources	Browse Structure Search Insert Empty Drop	1	InnoDB	latin1_swedish_ci	32 K	B
topics	Browse Structure Search Insert Empty Drop	5	InnoDB	latin1_swedish_ci	48 K	B
users	Browse Structure Search Insert Empty Drop	3	InnoDB	latin1_swedish_ci	32 K	B
5 tables	Sum	30	InnoDB	latin1_swedish_ci	192 K	B