

Config.php

```
<?php
    session_start(); // Corrected typo (sessions_start() to session_start())
    $databaseURL = "https://login-project-5bad3-default-rtdb.firebaseio.com/";
?>
```

Dashboard.php

```
<?php
include("config.php");
include("firebaseRDB.php");

if (!isset($_SESSION['user'])) {
    header("location: login.php");
} else {
    echo "Hello <b>{$_SESSION['user']['name']}</b>, welcome to my website!<br>";
    echo "<a href='logout.php'>Logout</a>";
}
?>
```

FirebaseRDB.php

```
<?php
/*
 * class name: firebaseRDB
 * version: 1.0
 * author: Devisty
 */

class firebaseRDB{
    function __construct($url=null) {
        if(isset($url)){
            $this->url = $url;
        }else{
            throw new Exception("Database URL must be specified");
        }
    }

    public function grab($url, $method, $par=null){
        $ch = curl_init();
        curl_setopt($ch, CURLOPT_URL, $url);
        curl_setopt($ch, CURLOPT_RETURNTRANSFER, 1);
        if(isset($par)){
            curl_setopt($ch, CURLOPT_POSTFIELDS, $par);
        }
    }
}
```

```

    }
    curl_setopt($ch, CURLOPT_CUSTOMREQUEST, $method);
    curl_setopt($ch, CURLOPT_SSL_VERIFYPEER, false);
    curl_setopt($ch, CURLOPT_FOLLOWLOCATION, 1);
    curl_setopt($ch, CURLOPT_TIMEOUT, 120);
    curl_setopt($ch, CURLOPT_HEADER, 0);
    $html = curl_exec($ch);
    return $html;
    curl_close($ch);
}

public function insert($table, $data){
    $path = $this->url."/table.json";
    $grab = $this->grab($path, "POST", json_encode($data));
    return $grab;
}

public function update($table, $uniqueID, $data){
    $path = $this->url."/table/$uniqueID.json";
    $grab = $this->grab($path, "PATCH", json_encode($data));
    return $grab;
}

public function delete($table, $uniqueID){
    $path = $this->url."/table/$uniqueID.json";
    $grab = $this->grab($path, "DELETE");
    return $grab;
}

public function retrieve($dbPath, $queryKey=null, $queryType=null, $queryVal
=null){
    if(isset($queryType) && isset($queryKey) && isset($queryVal)){
        $queryVal = urlencode($queryVal);
        if($queryType == "EQUAL"){
            $pars = "orderBy=\"{$queryKey}&equalTo=\"{$queryVal}\"";
        }elseif($queryType == "LIKE"){
            $pars = "orderBy=\"{$queryKey}&startAt=\"{$queryVal}\"";
        }
    }
    $pars = isset($pars) ? "?$pars" : "";
    $path = $this->url."/dbPath.json$pars";
    $grab = $this->grab($path, "GET");
    return $grab;
}
}

```

Index.php

```
<?php
include("config.php");

if(!isset($_SESSION['user'])){
    header("location: login.php");
} else {
    header("location: dashboard.php");
}
?>
```

login_action.php

```
<?php
include("config.php");
include("firebaseRDB.php");

$email = $_POST['email'];
$password = $_POST['password'];

if ($email == "") {
    echo "Email is required";
} else if ($password == "") {
    echo "Password is required";
} else {
    $rdb = new FirebaseRDB($databaseURL);
    $retrieve = $rdb->retrieve("/user", "email", "EQUAL", $email);
    $data = json_decode($retrieve, true);

    if (count($data) === 0) {
        echo "Email not registered";
    } else {
        $id = array_keys($data)[0];
        if ($data[$id]['password'] == $password) {
            // Assuming you want to store user data in the session
            $_SESSION['user'] = $data[$id];
            header("location: dashboard.php");
        } else {
            echo "Login failed";
        }
    }
}
?>
```

Login.php

```

<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Login page</title>
</head>

<body>
  <form method="post" action="login_action.php">
    <h2>LOGIN FORM</h2><br>
    Email <br>
    <input type="text" name="email"><br>
    Password<br>
    <input type="password" name="password"><br>
    <button type="submit">Login</button>
  </form>
  <p>Don't have an account yet? <a href="signup.php">Sign up</a></p>
</body>

</html>

```

Logout.php

```

<?php
include("config.php");
include("firebaseRDB.php");

if (isset($_SESSION['user'])) {
  unset($_SESSION['user']);
}

header("location: login.php");
?>

```

Singup_action.php

```

<?php
include("config.php");
include("firebaseRDB.php");

$name = $_POST['name'];

```

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$email = $_POST['email'];
$password = $_POST['password'];

if ($name == "") {
    echo "Name is required";
} else if ($email == "") {
    echo "Email is required";
} else if ($password == "") {
    echo "Password is required";
} else {
    $rdb = new FirebaseRDB($databaseURL);
    $retrieve = $rdb->retrieve("/user", "email", "EQUAL", $email);

    // Add this line for debugging
    //var_dump($retrieve);

    $data = json_decode($retrieve, true);

    // Add this line for debugging
    //var_dump($data);

    if (count($data) > 0) {
        echo "Email already used";
    } else {
        $insert = $rdb->insert("/user", [
            "name" => $name,
            "email" => $email,
            "password" => $password
        ]);

        if ($insert) {
            echo "Signup success, please login";
        } else {
            echo "Signup failed";
        }
    }
}
?>

```

Signup.php

```

<!DOCTYPE html>
<html lang="en">

<head>

```

```
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Login page</title>
</head>

<body>
  <form method="post" action="signup_action.php">
    <h2>SIGN UP FORM</h2><br>
    Full name<br>
    <input type="text" name="name"><br>
    Email <br>
    <input type="text" name="email"><br>
    Password<br>
    <input type="password" name="password"><br>
    <input type="submit" value="SIGNUP"><br><br>
    Already have an account? <a href="login.php">Login</a>
  </form>
</body>

</html>
```