**UAMS Entrainment Testing**

**Main:**

When you go to the main page, you will have three options: login as **Client** (“Start Test”), login as **Admin**, or **logout**.

If you attempt to login as client, you will be prompted to enter your **client ID**. If you enter a valid ID or “admin,” you will be allowed in. If not, it will show a dialogue telling you your ID was invalid. If you have previously logged in with an ID, you will **stay logged in** with that ID and it will attempt to start the test with that ID. A client may not take the test more than once a day—this refreshes at **midnight**.

If you attempt to login as an Admin, you will be prompted to enter the **admin password**. If you enter an invalid password, you will be denied access and a dialogue will appear. If you forget the password, you can click **“Forgot Password”** and a new password will be sent to the **admin email address**. This new password can be used to login and then to change the password to something more familiar. The password reset email will likely go to the **Spam folder**, so be sure to check there.

Logging in as an admin or with a certain client ID is **persistent**. You must **logout** to log back in with a different client ID or to not stay logged in. If you **switch** from client to admin or vice versa, you will logout of the other account.

**Testing:**

When you start the test, logging in as a client or with “admin,” a timed test automatically begins. After **0.5 seconds**, the first **picture** will appear. After **5 seconds**, it will be replaced with a corresponding **video**. When the video has finished playing, **1 second** will pass before the **question and answers** appear—asking, “Did the video match the picture?” with options “Yes” or “No.” If the client chooses the right answer, a picture with a smile will appear, else a picture with a frown will appear. The **result picture** will display for **3 seconds** before being replaced with a **new picture** and starting the cycle over again. This process continues until all picture/video combinations have been displayed.

The picture and video combination as well as the correct answers are **read in from the server**, which must be **updated manually**. They are **relative to the group** that the client is assigned to.

When the test is over, the client’s **ID**, **group**, **correct** **answers**, **time** for each answer (in milliseconds), as well as the session’s **date/time** will be stored in the database, and the client will be **returned to the Main page**.

**Administration:**

When you login as an admin, you will have five options: **add/remove IDs**, edit client **Groups**, edit **Admin Info**, **download a Spreadsheet** of all the clients’ statistics, or view **a particular client’s stats**.

When editing IDs, a modal will appear with two textboxes to enter IDs into, one for **adding**, one for **removing**. Enter IDs into the appropriate box separated by commas, then click **Submit**. The modal will disappear and the IDs will be added or removed. You can check this by enter the ID into the “Get Stats” textbox and noting if it says the ID was invalid. There is also the option on the modal to **remove all IDs**. It’s pretty self-explanatory.

When editing groups, a modal will appear with a list of the client IDs and a corresponding textbox with a gray **indicator for their present group**. When IDs are added, their group is **defaulted to “A.”** Enter the group you want to change the client to into the textbox, then click **Submit**. The modal will disappear and the groups for the edited clients will be updated. You can check this by returning to the modal. There is also an option to **“Switch All”** which will switch the group for all clients (e.g. all clients in “A” will be in “B” and vice versa). The behavior of this button is complicated if there are not exactly two groups represented. Also, the list of clients and their groups does not update based on adding/removing IDs—for this to be reflected, you must refresh the page.

When editing admin info, a modal will appear with three fields: **Old Password**, **New Password**, and **Email Address**. The present email address will be displayed in gray. To change the password or the email address for the admin account, the **correct old password** must be entered. Change either or both fields, then click **Submit**. The modal will disappear and the admin info will be updated. You can check this by returning to the modal and seeing the new email address or using the new password to change information.

When you click on **“Download Spreadsheet,”** a **.csv** file entitled “All Stats” will be downloaded. A .csv file can be converted into a .xlsx file so that more complicated algorithms can run against the data. The spreadsheet will contain a record for all sessions, including their **client** **ID**, **group**, **correct** **answers**, **response** **time**, and **date**.

When you enter an ID into the textbox above **“Get Stats,”** and click the button, a text-area will appear with **all of the sessions for that client**. If the ID is invalid, a dialogue will appear.

**Updating Testing Files:**

Some default files for testing have been included along with default groups “A” and “B.” In order to update these and use other files, you will have to manually update the files on the server. Instructions for how to update these are as follows:

1. Login to the Host: <https://www.000webhost.com/cpanel-login>
2. Navigate to the “Upload Files” page: <https://www.000webhost.com/members/website/uams/files>
3. Click the “Upload Files Now” button (this should take you to <https://files.000webhost.com/>)
4. Navigate to **public\_html/resources**
5. There, you will find folders for the different groups that clients can be assigned to. The default folders are already there. You can rename or delete these by right-clicking. Group names must be 1 character long (e.g. “A” or “1”). To add another group, right click in the empty white space and add a folder.
6. You will also find pictures for correct and incorrect responses, the UAMS logo, as well as the UAMS “U” which can be used as an icon. If you wish to replace these files—specifically the correct and incorrect pictures—you must upload files with the same names (including file type unless the code is changed).
7. Navigate into a group folder. There, you will find a picture and video for each question in the test. Their naming scheme is the number of the question followed by jpg or mp4, for pictures and videos respectively (e.g. “1.jpg” or “23.mp4”). This naming scheme must be maintained (including file type unless the code is changed). These files can be replaced or added to.
8. Also in this folder, you will find the answer key for the test. The naming scheme for this .txt file is the group name. The file’s contents are the answers to the question, either “Y” if the picture and video match or “N” if they do not. Each answer is on a new line. This means that for group “B” if **3.jpg** matches **3.mp4** then the third line of **B.txt** should read **Y**.

Note that in the **public\_html** folder, you have the .php files (the code) for the site. There is also the **favicon.ico** file which provides the picture for the tab in the browser.

**Maintenance:**

I am under the impression that this site may be used after this class has graduated, so generic login credentials have been used so the site and its database can be updated in the future. These can be changed at any time for future developers.

Since the site is being hosted for free, it can be slow and has occasional downtime. Clients may be warned of this. If a better host (which requires payment) is ever required or if a custom domain name is desired, the code from this site can be copied and used there.