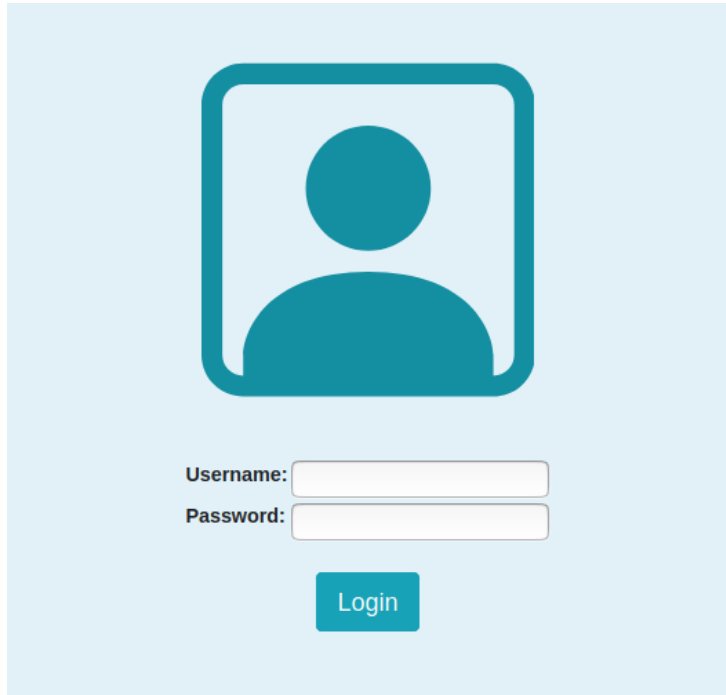


# Mechanical Turk Experiment Framework

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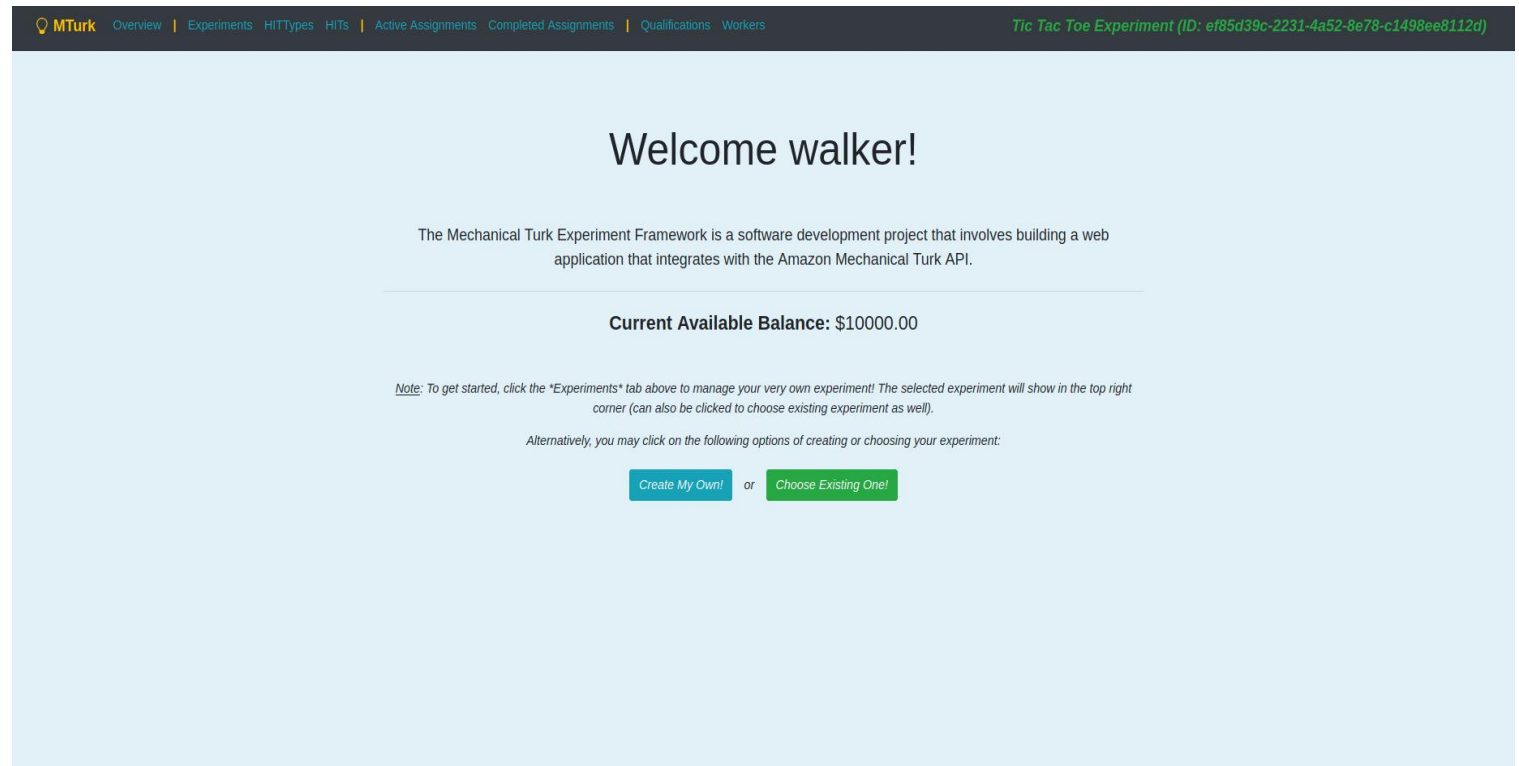
April 12, 2021



A login form on a light blue background. At the top is a teal icon of a person inside a rounded square. Below it are two input fields: 'Username:' and 'Password:'. At the bottom is a teal 'Login' button.

- When you first enter our site, you must login (you can create a user using Django admin or createsuperuser command)
- If you are not logged in you will be unable to use the site

After logging in, you will be greeted with the overview page. In the main body of this page you will see a small description as well as the current balance of your Amazon Mechanical Turk requester account. The next slide will describe the various sections you see on the navigation bar.



A screenshot of the 'MTurk' overview page. The top navigation bar is dark grey with links: Overview, Experiments, HITTypes, HITs, Active Assignments, Completed Assignments, Qualifications, and Workers. The current experiment is 'Tic Tac Toe Experiment (ID: e185d39c-2231-4a52-8e78-c1498ee8112d)'. The main content area has a light blue background and says 'Welcome walker!'. It includes a description of the framework, the 'Current Available Balance: \$10000.00', and a note about getting started. At the bottom are two buttons: 'Create My Own!' and 'Choose Existing One!'.

# Overview Description

1

## Overview

- Current Page

2

## Experiments

- Create experiments and filter other pages based on chosen experiment

3

## HIT Types

- Create and view HIT Types to generate HITs from

4

## HITs

- Create and view HITs

5

## Active Assignments

- View assignments that are currently in the active state

6

## Completed Assignments

- View completed assignments ready for approval/rejection and bonus payment

7

## Qualifications

- View and manipulate qualifications

8

## Workers

- View information related to workers that complete assignments

9

## Experiment Filter

- Choose Experiment to view information for and filter pages by

The screenshot shows the MTurk Overview page. At the top, there is a navigation bar with the MTurk logo and several tabs: Overview, Experiments, HITTypes, HITs, Active Assignments, Completed Assignments, Qualifications, and Workers. Red circles with numbers 1 through 9 are overlaid on the page to indicate specific features. Callout 1 points to the MTurk logo. Callout 2 points to the 'Experiments' tab. Callout 3 points to the 'HITTypes' tab. Callout 4 points to the 'HITs' tab. Callout 5 points to the 'Active Assignments' tab. Callout 6 points to the 'Completed Assignments' tab. Callout 7 points to the 'Qualifications' tab. Callout 8 points to the 'Workers' tab. Callout 9 points to the experiment filter text in the top right corner, which reads 'Tic Tac Toe Experiment (ID: ef85d39c-2231-4a52-8e78-c1498ee8112d)'. The main content area of the page has a light blue background and contains the following text: 'Welcome walker!', 'The Mechanical Turk Experiment Framework is a software development project that involves building a web application that integrates with the Amazon Mechanical Turk API.', 'Current Available Balance: \$10000.00', a note about getting started, and two buttons: 'Create My Own!' and 'Choose Existing One!'.

# Experiments – AKA Batches (2 & 9)

2

Experiments

Title:	Batch ID:	
<input type="text" value="Search..."/>	<input type="text" value="Search..."/>	<input type="button" value="Search"/>
Testing	4251b7d5-bc0a-4f08-bd4f-65168e5a5163	
test2	de76cabb-ecf6-4682-94c4-45c5bef753f0	
mTest01	29d4dfe0-4c1f-4899-8444-d00e7df98c2c	
Walker	3965e543-870e-490c-854f-226eb999c4a1	
yyyyyyyyyy	cfdcc298-a821-4e42-b83d-908bb32b6d44	
Tic Tac Toe Experiment	ef85d39c-2231-4a52-8e78-c1498ee8112d	

1 of 1

- In this page is where you are able to see a list of experiments (AKA batches) that exist in the system
- You are also able to create new experiments here. All you need is a title to create an experiment.
- These experiments are the overlying entity that categorizes what you see in many of the other pages throughout the website.

- You must choose a batch to act as a filter across the website.
- This filter will make it so that you only see the information related to the chosen batch that you are currently interested in.
- This filters the **HITTypes, HITs, Active Assignments, and Completed Assignments** pages.

9

Choose Experiment to filter by

# HIT Types (3)

3

## HITTypes

Batch:	Title:	HITType ID:	Description:	Keyword:	Reward:	Qualifications:	
<input type="text" value="Search..."/>	<input type="text" value="Search.."/>	<input type="text" value="Search..."/>	<input type="text" value="Search..."/>	<input type="text" value="Search"/>	<input type="text" value="Search"/>	<input type="text" value="Search..."/>	<input type="button" value="Search"/>
<b>Tic Tac Toe Experiment</b> (ID: ef85d39c-2231-4a52-8e78-c1498ee8112d)	TTT Experiment	3i3MQQJ31TE9EDBHQD5RI1GG868J1W	test HITType	Tic Tac Toe, test	\$2.00	Has done TTT Experiment	

New HITType

1 of 1

- This page is where you can view existing HIT Types for the current experiment you are filtering by.
- These HIT Types are used to generate HITs from and are reusable.

- From here you can create new HIT Types and enter the applicative information.
- See for more information about fields [https://docs.aws.amazon.com/AWSMechTurk/latest/AWSMturkAPI/ApiReference\\_CreateHITTypeOperation.html](https://docs.aws.amazon.com/AWSMechTurk/latest/AWSMturkAPI/ApiReference_CreateHITTypeOperation.html)

## Add HITType

Batch:	<input type="text" value="Tic Tac Toe Experiment (ID: ef85d39c-2231-4a52-8e78-c1498ee8112d)"/>
Title:	<input type="text" value="TTT Experiment"/>
Description:	<input type="text" value="test HITType"/>
Keyword:	<input type="text" value="Tic Tac Toe, test"/>
Reward:	<input type="text" value="2.00"/>
Qualifications:	<div><div>Test</div><div>qwewq</div><div>dsdsa</div><div>dsadfsa</div><div>Has done TTT Experiment</div></div>
Assignment Duration in Seconds:	<input type="text" value="86400"/>
Auto Approval Delay in Seconds:	<input type="text" value="604800"/>
<input type="button" value="Submit"/>	

Note: To select more than one qualification, hold 'CTRL' and click!

# HITs (4)

4

HITs				
HITType ID:	HIT ID:	Max Assignments:	Lifetime in Seconds:	
<input type="text" value="Search..."/>	<input type="text" value="Search..."/>	<input type="text" value="Search..."/>	<input type="text" value="Search..."/>	<input type="button" value="Search"/>
3I3MQQJ31TE9EDBHQD5RI1GG868J1W	302U8RURJZW1TOAHIXCSXGBNQB RNVE	50	86400	

1 of 1

New HIT

- This page is where you can view existing HITs for the current experiment you are filtering by.
- These HITs are generated from HIT Types, and are responsible for creating the assignments that workers will complete for a given HIT.

- From here you can create a HIT from a HIT Type and specify the information pertaining to the assignments that are created from the HIT.
- See for more information about fields [https://docs.aws.amazon.com/AWSMechTurk/latest/AWSMturkAPI/ApiReference\\_CreateHITWithHITTypeOperation.html](https://docs.aws.amazon.com/AWSMechTurk/latest/AWSMturkAPI/ApiReference_CreateHITWithHITTypeOperation.html)

### Add HIT

HITType:
<input type="text" value="TTT Experiment (ID: 3I3MQQJ31TE9EDBHQD5RI1GG868J1W)"/>
Max Assignments:
<input type="text" value="50"/>
Lifetime in Seconds:
<input type="text" value="86400"/>
<input type="button" value="Submit"/>

# Active Assignments (5)

5

## Active Assignments

HIT ID:	Assignment ID:	Worker ID:	
<input type="text" value="Search..."/>	<input type="text" value="Search..."/>	<input type="text" value="Search..."/>	<input type="button" value="Search"/>

1 of 1

- This page is where you will see assignments that are currently active for the chosen experiment filter.
- In our case, this refers to assignments that are currently in progress by a worker but have not yet been submitted (e.g. if 2 workers are current working on a 2-person assignment but have yet to finish).

# Completed Assignments (6)

6

## Completed Assignments

Select all	Assignment ID:	Worker ID:	Accepted:	Submitted:	Status:	Bonus:	
<input type="checkbox"/>	<input type="text" value="Search..."/>	<input type="text" value="Search..."/>	<input type="text" value="Search..."/>	<input type="text" value="Search..."/>	<input type="text" value="Search..."/>	<input type="text" value="Search..."/>	<input type="button" value="Search"/>
<input type="checkbox"/>	3X0H8UUIT2JEB90L653C7W0NIO4WSN	A178YX3W0YQFTL	April 11, 2021, 2:31 p.m.	April 11, 2021, 2:31 p.m.	Rejected	\$3.68 (Unpaid)	
<input type="checkbox"/>	3YW4XOSQKRG1PLCMYM9RT7SH78GU12	A178YX3W0YQFTL	April 11, 2021, 2:30 p.m.	April 11, 2021, 2:30 p.m.	Approved	\$3.21 (Paid)	
<input type="checkbox"/>	3OVHNO1VE7WC3FM8K2SUB185YNYDZO	A178YX3W0YQFTL	April 11, 2021, 9:36 a.m.	April 11, 2021, 9:36 a.m.	Rejected	\$4.02 (Unpaid)	
<input type="checkbox"/>	3WOKGM4L72B65R776HTIGWHIKUMOOG	A178YX3W0YQFTL	April 11, 2021, 9:36 a.m.	April 11, 2021, 9:36 a.m.	Approved	\$3.11 (Paid)	
<input type="checkbox"/>	39GHHAVOMGM934YB95OFK3Q92CSJ48	A178YX3W0YQFTL	April 11, 2021, 9:35 a.m.	April 11, 2021, 9:35 a.m.	Rejected	\$0.97 (Unpaid)	
<input type="checkbox"/>	3BF51CHDTW5WDALK24YSWNKH888H0L	A178YX3W0YQFTL	April 11, 2021, 9:35 a.m.	April 11, 2021, 9:35 a.m.	Approved	\$0.5 (Paid)	
<input type="checkbox"/>	3MAOD8E57R5WKWD68EICAL4O4R2NXV	A178YX3W0YQFTL	April 11, 2021, 9:35 a.m.	April 11, 2021, 9:35 a.m.	Approved	\$3.04 (Paid)	
<input type="checkbox"/>	3P529IW9KZGPWAJ0W7WBRM0SVR6LFO	A178YX3W0YQFTL	April 11, 2021, 9:34 a.m.	April 11, 2021, 9:34 a.m.	Approved	\$1.27 (Paid)	
<input type="checkbox"/>	3570Y55XZQEFA9MUQ6RJ3F205LAGYM	A178YX3W0YQFTL	April 11, 2021, 9:33 a.m.	April 11, 2021, 9:33 a.m.	Approved	\$4.23 (Paid)	

Reject Selected Assignments

Approve Selected Assignments

Pay Bonuses for Selected

- As mentioned, from here you can choose assignments using the checkboxes on the left in order to pay bonuses to workers in bulk.
- It will not allow you to pay bonuses for assignments that have not been approved, or that have already been paid.

## Pay Bonuses

Assignment ID:	Worker ID:	Amount:
3YW4XOSQKRG1PLCMYM9RT7SH78GU12	A178YX3W0YQFTL	\$3.21
TOTAL		\$3.21

Enter Reason (leave blank for "performance" default)

Send Bonus Payments

- This page is where you will see information regarding assignments for the chosen experiment filter that have been completed.
- This is where you can approve/reject submitted assignment in bulk, or pay bonuses to workers for approves assignments in bulk (using checkboxes).

# Qualifications (7)

7

## Qualifications

Nickname:	Qualification Type ID:	Description:	Qualification Type Status:	
Search...	Search...	Search...	Search...	Search
tetetete	3VOIX1GCVU080IJZMGXGGKALH77SYS	tetetete	Active	
testerrrr	3EG7HFOYUJ9BK5RUEKGUHQ0FU7TYNE	tester	Active	
rwarwa	3BR5SIVR7WP748THRF5K3Z2BK8GEH	rwarwar	Active	
rerer	332QEYYXQHU586HGGJGDJAGO8G8BMMK	rerere	Active	
qweqw	3M3HXOD6K9A0RKK2UVD2Z5K149X7ID	qweqwe	Active	
dsdsa	32IU3MUE9EX57F4BF2I38CMDH586E6	ddsadas	Active	
dsadfsa	3KAW0FJKLR6RJ6H09GLFDOGRL8BO6R	fasfaf	Active	
Has done TTT Experiment	3Q999EVD2DF2C2FHVKGLELHHB78GDN	dsadsafsa	Active	
tttttt	369CMR1C441T9OCCI1EM322ETHVH2F	tetetet	Inactive	

*Note: Qualifications may take some time to appear - keep refreshing!*

New Qualification

- This page is where you can view qualifications that you have created and alter qualifications to be active or inactive.

- From here, you can create qualifications that can be assigned as already mentioned below.
- See for more information about fields [https://docs.aws.amazon.com/AWSMechTurk/latest/AWSMturkAPI/ApiReference\\_CreateQualificationTypeOperation.html](https://docs.aws.amazon.com/AWSMechTurk/latest/AWSMturkAPI/ApiReference_CreateQualificationTypeOperation.html)

## Add Qualification

Nickname (Required):
Must have this qualification
Description (Required):
test
Comparator:
Exists
Integer Value:
Enter integer value for comparator
Country:
--- Select Country ---
Submit



# Workers (8)

8

## Workers

Assignment ID:	Worker ID:	Accepted Time:	Submitted Time:	
<input type="text" value="Search..."/>	<input type="text" value="Search..."/>	<input type="text" value="Search..."/>	<input type="text" value="Search..."/>	<input type="button" value="Search"/>
3570Y55XZQEFA9MUQ6RJ3F205LAGYM	A178YX3W0YQFTL	April 11, 2021, 9:33 a.m.	April 11, 2021, 9:33 a.m.	
3P529IW9KZGPWAJ0W7WBRM0SVR6LF0	A178YX3W0YQFTL	April 11, 2021, 9:34 a.m.	April 11, 2021, 9:34 a.m.	
3MAOD8E57R5WKWD68EICAL4O4R2NXV	A178YX3W0YQFTL	April 11, 2021, 9:35 a.m.	April 11, 2021, 9:35 a.m.	
3BF51CHDTW5WDALK24YSWNKH888H0L	A178YX3W0YQFTL	April 11, 2021, 9:35 a.m.	April 11, 2021, 9:35 a.m.	
39GHHAVOMGM934YB95OFK3Q92CSJ48	A178YX3W0YQFTL	April 11, 2021, 9:35 a.m.	April 11, 2021, 9:35 a.m.	
3WOKGM4L72B65R776HTIGWHIKUMO0G	A178YX3W0YQFTL	April 11, 2021, 9:36 a.m.	April 11, 2021, 9:36 a.m.	
3OVHNO1VE7WC3FM8K2SUB185YNYDZ0	A178YX3W0YQFTL	April 11, 2021, 9:36 a.m.	April 11, 2021, 9:36 a.m.	
3X0H8UUIT2JEB90L653C7W0NIO4WSN	A178YX3W0YQFTL	April 11, 2021, 2:31 p.m.	April 11, 2021, 2:31 p.m.	
3YW4XOSQKRG1PLCMYM9RT7SH78GU12	A178YX3W0YQFTL	April 11, 2021, 2:30 p.m.	April 11, 2021, 2:30 p.m.	

- This page allows you to view Amazon Mechanical Turk Workers that have completed assignments for your HITs