

# PharmGenius Documentation

## **Setting Up the Testing Environment: (on Windows)**

(!!! Run your terminal (cmd, powershell, etc.) as Administrator for this setup process !!!)

1. Google Cloud SDK
  - a. Go to <https://cloud.google.com/sdk/docs/quickstart-windows>
  - b. Click on "Google Cloud SDK Installer"
  - c. Run the installer
  - d. When selecting components, make sure "Bundled Python" is selected
  - e. On the last page:
    - i. Make sure to "Run 'gcloud init' to configure the Cloud SDK"
    - ii. Make sure to "Start Cloud SDK Shell"
  - f. gcloud init
    - i. Log in to gmail.
    - ii. DO NOT configure Google Compute Engine
    - iii. Select a default project (pharm-quiz)[should happen automatically]
2. Python Environment Variable
  - a. Press the windows key
  - b. Search: "environment"
  - c. Select: "Edit the system environment variables"
  - d. Click the "Environment Variables" button
  - e. Under "System Variables", scroll until you find Path → double click
  - f. Click "New" and add the path of the bundledpython folder
  - g. If you kept the default: C:\Program Files (x86)\Google\Cloud SDK\google-cloud-sdk\platform\bundledpython\
3. Google App Engine
  - a. \$ gcloud components install app-engine-python

## **Running the App on Localhost:**

1. cd [application directory]
2. \$ python [Full path to dev\_appserver.py] . ← (there is a space-period there)
  - a. Default path: "C:\Program Files (x86)\Google\Cloud SDK\google-cloud-sdk\bin\dev\_appserver.py"
  - b. This runs the app on localhost:8080
3. If that doesn't work (it didn't for me), you can try a different port (which did work)
  - a. \$ python [Full path to dev\_appserver.py] --port [portNum] . I used 8084

## TODO

(Write your name in the dibs column if you are working on that feature)  
(Change the row's background to light green 1 after it has been implemented)  
(Change the row's background to light red 1 if we decide it can't be done)

### User-Functional by October: (in addition to testing EVERYTHINBG) Bug Fixes

Priority	Description	Dibs
1	(Example) - Get local environment to work	Sam
2	Fix "Question Submitted Successfully" page(maybe just remove it)	
3	Replace Dr. Mario image	
4	Make navigation bars have the same font / positioning	
5	Center all the HTML elements!	

### Features

Priority	Description	Dibs
1	(Example) - Add a module that can determine if any other computer program will come to a halt.	Sam
2	Add the correct answer to the questions on the results page	
3	Let users decide how many people to view on the leaderboard And have it cut off at top 10 by default	
4	Add a play button in the navbar and/or profile page	Sam
5	Allow users to edit their username	

## Other Additions:

### Bug Fixes

Priority	Description	Dibs
1	Change the points system (requires discussion)	
2	On the Profile page: Make it so that categories aren't added to the statistics graph more than once	
3	The "Choose File" button for images isn't centered on Firefox (It's good on Chrome)	

### Features

Priority	Description	Dibs
1	Add a feedback system so the user can report bugs/suggestions from within the application	
2	Make it so that when the user clicks on a leaderboard entry, they are redirected to that user's profile page	
3	Add Categories by: School, Class, Subject	
4	Allow each question to be tagged with multiple of each category	
5	Allow users to take quizzes with multiple categories	
6	Add a Badge / Achievement system	
7	Allow users to "add" their friends, and filter the leaderboard by friends	
8	Allow users to suggest an explanation to questions without one	
9	Permission Levels: Admin, Professor, Student	
10	Accept non-gmail email (with confirmation emails)	
11	Accept Pitt Passport login	