

Assignment1

Part 1

Distributed Version Control Setup:

Carefully go through the following steps: <http://www.qcitr.com/usefullinks.htm#lesson3b>

Part 2

Development Installation:

1. **AMPPS:** (<http://www.ampps.com/>)
 - a. Tour: <http://www.ampps.com/tour>
 - b. Download and Installation: http://www.ampps.com/wiki/Main_Page
 - c. Installation Demo: <http://www.ampps.com/demo>
2. **Java:** If necessary, download and install **JDK**:
https://personal.ntu.edu.sg/ehchua/programming/howto/JDK_HowTo.html
Windows: Stop *after* "Step 6: Compile and Run the Hello-World Java Program"
Mac: Stop *after* "Step 4: Compile and Run the Hello-World Java Program"
3. **Getting Started with Java in Visual Studio Code:**
<https://code.visualstudio.com/docs/java/java-tutorial>
4. **Android Studio (Do NOT update Beta versions!):** <http://developer.android.com/sdk/index.html>
Building Your First App: <http://developer.android.com/training/basics/firstapp/index.html>
Note: Create "**Java**" activities, using **Java** code, ***not*** Kotlin.
Stop after: "That's it, you've built your first Android app!"
<https://developer.android.com/training/basics/firstapp/starting-activity>
5. Push your local repository to the one hosted by Bitbucket's servers: See **Part 1** (above).
6. Provide me with **read-only** access to Bitbucket repository: See **Part 1** (above).


README.md file should include the following items:




1. Screenshot of **ampps** installation running (#1 above);
2. Screenshot of running **JDK java Hello** (#2 above);
3. Screenshot of running **Android Studio My First App** (#3 above, example below);
(**Note:** use ***your name*** instead of "Hello World!")
4. git commands w/short descriptions ("Lesson 3b - Version Control Systems: Course Configuration");
5. Bitbucket repo links:
 - a. This assignment, and
 - b. The completed tutorial repo above (**bitbucketstationlocations**).
(See link in screenshot below.)


Deliverables (see screenshots below):

1. Provide **Bitbucket** read-only access to **lis4381** repo, include links to the repo (**BitbucketStationLocations**) you created in the above tutorials in **README.md**, using **Markdown** syntax, (**README.md** must also include screenshots per above.)
2. **FSU's Learning Management System:** include lis4381 **Bitbucket** repo link

Main README.md




 **Bitbucket** Teams ▾ Projects ▾ Repositories ▾ Snippets ▾

Find a repository...   


 ...

Mark Jowett / LIS4381

Overview

 SSH ▾ git clone git@bitbucket.org:mjowett/lis  

Last updated 2017-04-26	0 Open PRs	1 Watcher
Language PHP	1 Branch	0 Forks
Access level Admin		

 Edit README

NOTE: This README.md file should be placed at the root of each of your repos directories.


LIS4381 - Mobile Web Application Development




Mark K. Jowett, Ph.D.


LIS4381 Requirements:


Course Work Links:

1. [A1 README.md](#)
 - Instal AMPPS
 - Install JDK
 - Install Android Studio and create My First App
 - Provide screenshots of installations
 - Create Bitbucket repo
 - Complete Bitbucket tutorials (bitbucketstationlocations and myteamquotes)
 - Provide git command descriptions
2. [A2 README.md](#)
 - Create Healthy Recipes Android app
 - Provide screenshots of completed app
3. [A3 README.md](#)
 - Create ERD based upon business rules
 - Provide screenshot of completed ERD
 - Provide DB resource links
4. [A4 README.md](#)
5. [A5 README.md](#)
6. [P1 README.md](#)
7. [P2README.md](#)

Invite users to this repo 


  

Recent activity 

 **25 commits**
Pushed to mjowett/lis4381

- 7e36eee updated assignment files and dire...
- e44f2c8 updated assignment files and dire...
- a170658 updated assignment files and dire...
- 3bb9334 updated assignment files and dire...
- a2884b9 updated assignment files and dire...
- + 20 more...

Mark Jowett · 2017-02-15

 **mjowett/lis4381**
Repository created

Mark Jowett · 2017-02-15

[Teams](#)
[Projects](#)
[Repositories](#)
[Snippets](#)

[Find a repository](#)

[lis4381](#)

ACTIONS

[Clone](#)
[Create branch](#)
[Create pull request](#)
[Compare](#)
[Fork](#)

NAVIGATION

[Overview](#)
[Source](#)
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[master](#)

[lis4381 / a1 / README.md](#)

[Source](#)
[Diff](#)
[History](#)

[e338d1b](#)

[9 minutes ago](#)

[Full commit](#)

[Blame](#)
[Raw](#)
[Edit](#)

NOTE: This README.md file should be placed at the root of each of your repos directories.

Also, this file **must** use Markdown syntax, and provide project documentation as per below—otherwise, points **will** be deducted.

LIS4381 - Mobile Web Application Development

Mark K. Jowett, Ph.D.

Assignment 1 Requirements:

Three Parts

1. Distributed Version Control with Git and Bitbucket
2. Development Installations
3. Chapter Questions (Chs 1, 2)

README.md file should include the following items:

- Screenshot of AMPPS Installation [My PHP Installation](#).
- Screenshot of running java Hello;
- Screenshot of running Android Studio - My First App
- git commands w/short descriptions;
- Bitbucket repo links: a) this assignment and b) the completed tutorials above (bitbucketstationlocations and myteamquotes).

This is a blockquote.

This is the second paragraph in the blockquote.


Git commands w/short descriptions:

1. git init - definition goes here...
2. git status
3. git add
4. git commit
5. git push
6. git pull
7. One additional git command

Assignment Screenshots:


Screenshot of AMPPS running [My PHP Installation](#):


4





lis4381


ACTIONS

 Clone


 Create branch


 Create pull request


 Compare


 Fork


NAVIGATION


 Overview


 Source


 Commits


 Branches

 Pull requests

 Issues

 Wiki

 Downloads

 Settings

5554.Nexus_5_API_23



Tutorial Links:

Bitbucket Tutorial - Station Locations: A1 Bitbucket Station Locations Tutorial Link

Tutorial: Request to update a teammate's repository: A1 My Team Quotes Tutorial Link

Blog · Support · Plans & pricing · Documentation · API · Site status · Version info · Terms of service · Privacy policy

JIRA · Confluence · Bamboo · SourceTree · HipChat

 Atlassian

Part 3

Questions (PHP/MySQL: Chs. 1, 2):

1. You create line comments in PHP code by adding to a line you want to use as a comment. (Choose all that apply.)
 - a. `||`
 - b. `**`
 - c. `#`
 - d. `//`
2. Block comments begin with `/*` and end with _____.
 - a. `/*`
 - b. `*/`
 - c. `//`
 - d. `**`
3. PHP variables begin with _____.
 - a. `&`
 - b. `!`
 - c. `$`
 - d. `#`
4. A variable name in PHP can only contain letters, numbers, and _____.
 - a. underscores
 - b. percent signs
 - c. pound symbols
 - d. caret symbols
5. A PHP variable name
 - a. is case-sensitive
 - b. can contain special characters
 - c. can start with a letter, a digit, or two underscores
 - d. can be a PHP reserved word
6. A web application is a type of
 - a. client/server application
 - b. database application
 - c. client-side application
 - d. server-side application
7. After the if statement that follows is executed, what will the value of `$discountAmount` be?

```
$discount_amount;  
$order_total = 200;  
if ($order_total > 200) {  
    $discount_amount = $order_total * .3;  
} else if ($order_total > 100) {  
    $discount_amount = $order_total * .2;  
} else {  
    $discount_amount = $order_total * .1;  
}
```

 - a. 0
 - b. 20
 - c. 40
 - d. 60
8. How many times will the while loop that follows be executed?

```
$months = 5;  
$i = 1;  
while ($i > $months) {  
    $futureValue = $futureValue * (1 + $monthlyInterestRate);  
    $i = $i+1;  
}
```

 - a. 0
 - b. 1
 - c. 4
 - d. 5

9. If a URL specifies a directory that doesn't contain a default page, Apache displays
- an error message
 - a list of the PHP applications in that directory
 - a list of all of the web applications in that directory
 - a list of all of the directories in that directory

10. In the code that follows, if `$error_message` isn't empty

```
if ($error_message != '') {  
    include('index.php');  
    exit();  
}
```

- control is passed to a page named `index.php` that's in the current directory
- control is passed to a page named `index.php` that's in the parent directory
- control is passed to a page named `index.php` that's in the child directory
- nothing happens because the condition is false

11. The HTTP response for a dynamic web page is passed

- from PHP to the browser
- from the web server to the browser
- from the database server to the web server
- from the web server to PHP

12. The order of precedence for arithmetic expressions causes

- addition to be done before subtraction
- multiplication to be done before division
- increment operations to be done first
- modulus operations to be done last

13. To round and format the value of a variable named `$number` to 3 decimal places and store it in a variable named `$number_formatted`, you code

- `$number_formatted = number_format($number, 3, round);`
- `$number_formatted = number_format($number, 3);`
- `$number_formatted = format_number($number, 3, round);`
- `$number_formatted = format_number($number, 3);`

14. To run a PHP application that has been deployed on your own computer, you can enter a URL in the address bar of your browser that

- specifies just the application root directory
- uses `localhost` as the domain name
- specifies just the application root directory and the starting filename
- uses `apache` as the domain name

15. To view the source code for a web page in the Firefox or IE browser, you can select the appropriate command from the

- a. File menu b. Source menu c. View menu d. Page menu

16. When the web server receives an HTTP request for a PHP page, the web server calls the

- a. database server b. static web page c. web browser d. PHP interpreter

17. Which of the following is NOT part of an HTTP URL:

- a. protocol b. path c. node d. filename

18. What will the variable \$name contain after the code that follows is executed?

```
$first_name = 'Bob';  
$last_name = 'Roberts';  
$name = "Name: $first_name";
```

- a. Bob
- b. \$first_name
- c. Name: Bob
- d. Name: \$first_name

19. In PHP, the concatenation operator is

- a. +
- b. &
- c. .
- d. !

20. In a conditional expression that includes logical operators, the AND operator has a lower order of precedence than the _____ operator.

- a. NOT
- b. OR
- c. ||
- d. &&