kernel Installation Manual

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1.0 System Description

Kernel is a web-based project management system especially made for Taters Enterprises, Inc. (TEI) whose main objective is to serve as a main tool for monitoring and updating projects in the project management process of the company. It will be accessible by all seven (7) of TEI's departments, Human Resource, Facilities and Administration, Finance, Management Information Systems, Procurement, Marketing, and Store Operations, as well as the company's Executives. The system has four (4) modules namely, Project Initiation and Planning, Project Monitoring, Project Control, and Project Closing. The structure and formation of the modules are modeled to reflect the project management life cycle. The functions for each module are segregated as follows:

Project Initiation and Planning	Project Monitoring	Project Control	Project Closing
 Project Profile Project Templates Scheduling RACI Chart Gantt Chart Workload Assessment 	 Task Prioritization Project Progress Document Tracking Team Gantt Chart 	 Request for Change Performance Assessment 	 Report Generation Project Archives

2.0 Hardware and Software Requirements

This section provides information regarding the system pre-requisites in terms of hardware and software that is needed in a user's machine.

2.1. Hardware Specifications

The minimum requirements in order for the system to run smoothly are as follows:

User

- Desktop Computer with Keyboard and Mouse / Laptop
- Processor: Dual Core 1 Ghz
- RAM: 1GB
- Disk Space: 1 GB



Server

- Processor: Quad core 2 Gz
- RAM: 5 GB
- Storage: 10GB

2.2. Software Specifications

The system can be accessed through the Internet ensuring that the device accessing it from has the following minimum requirements in order for the system to run smoothly.

- Operating System
 - Windows 7 and above
 - MacOS El Capitan and above
 - Ubuntu 14.04 and above
- ISP Web Browser
 - Internet Explorer 8+
 - Safari 9+
 - Firefox 38+
 - Chrome 45+
 - Opera 30+
- MySQL Community Server (8.0.13)
 - https://dev.mysql.com/downloads/mysql/
- MySQL Workbench (8.0.13)
 - https://dev.mysql.com/downloads/workbench/
- XAMPP (5.6.38)
 - https://www.apachefriends.org/download.html



3.0. Installation Instruction

This section enumerates the step-by-step procedure to enable the system to start running on a new machine.

3.1. Database

1. Download the recommended version for MySQL Community Server (8.0.13) depending on the machine's operating system.

	Generally Available (GA) Releases			
	MySQL Community Server 8.0.13			
hoose the operating	Select Operating System: ✓ Select Operating System Microsoft Windows Ubuntu Linux	0	Looking for previ versions?	ous GA
stem of the machine	Debian Linux SUSE Linux Enterprise Server Red Hat Enterprise Linux / Oracle Linux Fedora	(10.13)		
	Linux - Generic Oracle Solaris macOS FreeBSD Source Cade	8.0.13	203.9M MD5: d3ea20df0718d264ad3adc60ed34	Download
	macOS 10.14 (x86, 64-bit), Compressed TAR Archive	8.0.13	131.9M	Download
	(mysql-8.0.13-macos10.14-x86_64.tar.gz)		MD5: fa34fb4c55b4f441381d608fb6d8	1471 Signatur
	macOS 10.14 (x86, 64-bit), Compressed TAR Archive Test Suite	8.0.13	71.2M	Download
	(mysql-test-8.0.13-macos10.14-x86_64.tar.gz)		MD5:d5d72001cdb7135791af57d1f841	d3d3 <mark>Signatu</mark>
	macOS 10.14 (x86, 64-bit), TAR	8.0.13	213.7M	Download
	(mysql-8.0.13-macos10.14-x86_64.tar)		MD5:c2cf5e915632204fb7dec8974bft	e35c Signatur

2. Run the downloaded installer and follow the on-screen steps provided.

3. Download the recommended version for MySQL Workbench depending on the machine's operating system.

	Generally Available (GA) Releases		
	MySQL Workbench 8.0.13 Select Operating System:		Looking for previous GA
Choose the operating	✓ Select Operating System Microsoft Windows Ubuntu Linux Red Hat Enterprise Linux / Oracle Linux		versions?
	Fedora macOS Source Code	(10.13)	
	macOS (x86, 64-bit), DMG Archive	8.0.13	108.1M Download
	(mysql-workbench-community-8.0.13-macos-x86_64.dmg)	ME	D5:2e7a26e97f68229b60c2d0f5d860c140 Signature
	We suggest that you use the MD5 checksums and Gr	nuPG signatures to verify the integrity o	f the packages you download.



4. Run the .dmg file and drag it to the applications folder (OS X method) or run the .exe file and follow the on-screen instructions (Windows method).



6. Create a new connection by clicking the button. Enter the necessary information (*Connection Name: KernelPMS*) and click **OK**.

7. The new connection will appear in the homepage. Click it to proceed to the next step.

8. On the left pane, under *Management*, click on **Data Import/Restore**.



9. Choose Import from Self-Contained File and click the _____ j to choose a file.

	Import 1	from Disk Import Progress	
Import Options			
Import from Dump Project Folder			
Select the Dump Project Folder to Import. You ca	n do a selective restore.		
Load Folder Contents			
Import from Self-Contained File			
Select the SQL/dump file to import. Please note t	hat the whole file will be imported.		
Data de Cabana de las las antes d			
Default Target Schema		New. NOTE: this is only us	to import the dump into.
Delauti larget ochema.			ten u nie eenth me energit eentenning serre
		otherwise it is ignore	ed.
		otherwise it is ignore	ed.
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Select Database Objects to Import (only avai	able for Project Folders)	otterwise it is ignore	rd.
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10. From the Kernel System folder, choose the Kernel (Demo).sql file.

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Import from Dump Project Folder elect the Dump Project Folder to Import. You ca Load Folder Contents	/Users/AndreGonzaga/dumps in do a selective restore.		
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elect Database Objects to Import (only ava	lable for Project Folders)	Import Schema Objects	ed if the dump file doesn't contain its sche

11. Create a new schema by clicking New...

12. A pop-up will appear prompting the user to enter a schema name. *(Schema Name: KernelDB).*

000	Create Schen	าล	
<u> </u>	Name of schema to create:	KernelDB	
		Cancel	ОК

<ernel



13. Click Start Import.

	Import from Disk Import Progress		
mport Options			
Import from Dump Project Folder			
elect the Dump Project Folder to import. You o	can do a selective restore.		
Load Folder Contents			
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14. Import logs should appear with no errors, to consider it as successful.

Import Completed Status: 1 of 1 imported. Log: Creating schema KernelDB 12:58:22 Restoring /Applications/XAMPP/xamppfiles/htdocs/Kernel (Demo).sql Running: /Applications/XAMPP/xamppfiles/htdocs/Kernel (Demo).sql 12:58:22 Import of /Applications/XAMPP/xamppfiles/htdocs/Kernel (Demo).sql 12:58:23 Import of /Applications/XAMPP/xamppfiles/htdocs/Kernel (Demo).sql 12:58:23 Import of /Applications/XAMPP/xamppfiles/htdocs/Kernel (Demo).sql		Import from Disk Import Progress
Status: Status: 1 of 1 imported. Log: Creating schema KerneIDB 12:58:22 Restoring /Applications/XAMPP/xampfiles/htdocs/Kernel (Demo).sql Runnig: /Applications/XAMPP/xampfiles/htdocs/Kernel (Demo).sql Runnig: /Applications/XAMPP/xampfiles/htdocs/Kernel (Demo).sql 12:58:23 Import of /Applications/XAMPP/xampfiles/htdocs/Kernel (Demo).sql 13:58:23 Import of /Applications/XAMPP/xampfiles/htdocs/Kernel (Demo).sql 14:58:58:58:58:58:58:58:58:58:58:58:58:58:		inforce and inforce allow
Istaus: I of 1 imported. .og: Creating schema KernelDB 12:58:22 Reatoring /Applications/XAMPP/xamppfiles/htdocs/Kernel (Demo).sgl Hunning:/Applications/XAMPP/xamppfiles/htdocs/Kernel (Demo).sgl htdl=127.0.0.1 -user-rood -port=306default-character-set=utt8commentsdatabase=-KernelDB < '/Applications/XAMPP/xamppfiles/htdocs/Kernel (Demo).sgl 12:58:23 Import of /Applications/XAMPP/xamppfiles/htdocs/Kernel (Demo).sgl 12:58:23 Import of /Applications/XAMPP/xamppfiles/htdocs/Kernel (Demo).sgl	nport Completed	
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2:58/22 Resoring Applications/XAMPP/xamppfiles/htdocs/Kernel (Demo).sql htmlnr:: Applications/ASQLWreheads.appContentMode/Simypi -defaults-file=/xar/olders/xvt/sdpvgStlqcx/Trl2wyBR80000gn/T/mprPqk4m/extraparans.cnfprotoc ost=127.0.0.1user=rootport-3306default-character-set=utBcommentsdatabase=KernelDB < '/Applications/XAMPP/xamppfiles/htdocs/Kernel (Demo).sql 2:58.23 Import of /Applications/XAMPP/xamppfiles/htdocs/Kernel (Demo).sql has finished	reating schema KernelDB	
	2:58:23 Import of /Applications/XAMPP/xamp	nfiles/htdocs/Kernel (Demo) sal has finished

15. On the lower left pane, under schema, click 🔹 to add KernelDB to the schema list.

16. Double click on **KernelDB** to select it as the working schema.

v 🗐 K	ernelDB
•	Tables
	Views
B	Stored Procedures
6	Functions



3.1. XAMPP

1. Download the recommended version for XAMPP depending on the machine's operating system.

Version		Check	sum		Size
5.6.38 / PHP 5.6.38	What's Included?	md5	sha1	Download (32 bit)	110 M
7.0.32 / PHP 7.0.32	What's Included?	md5	sha1	Download (32 bit)	121 M
7.1.23 / PHP 7.1.23	What's Included?	md5	sha1	Download (32 bit)	121 Mt
7.2.11 / PHP 7.2.11	What's Included?	md5	sha1	Download (32 bit)	123 Mt

Version		Check	sum		Size
5.6.38 / PHP 5.6.38	What's Included?	md5	sha1	Download (64 bit)	144 MI
7.0.32 / PHP 7.0.32	What's Included?	md5	sha1	Download (64 bit)	145 M
7.1.23 / PHP 7.1.23	What's Included?	md5	sha1	Download (64 bit)	146 M
7.2.11 / PHP 7.2.11	What's Included?	md5	sha1	Download (64 bit)	146 M
XAMPP-VM / PHP 7.1.23	More info about XAMPP-VM	md5	sha1	Download (64 bit)	325 MI
XAMPP-VM / PHP 7.2.11	More info about XAMPP-VM	md5	sha1	Download (64 bit)	326 M

Version		Check	sum		Size
5.6.38 / PHP 5.6.38	What's Included?	md5	sha1	Download (64 bit)	135 M
7.0.32 / PHP 7.0.32	What's Included?	md5	sha1	Download (64 bit)	134 N
7.1.23 / PHP 7.1.23	What's Included?	md5	sha1	Download (64 bit)	133 N
7.2.11 / PHP 7.2.11	What's Included?	md5	sha1	Download (64 bit)	134 M



2. Run the downloaded installer and follow the on-screen instructions.

3. Place the Kernel folder in the htdocs folder. You can find htdocs within the XAMPP folder in the location you initially set during installation.



4. Open the XAMPP Control Panel (manager-osx for Max OS X) and run MySQL and Apache.

AMINEE	Control Pan	ei v3.2.2 [Com	piled: Nov 12th 2	.015]			-		×
ខ	XAN	MPP Contro	ol Panel v3	.2.2				<i>8</i> 0	onfig
Modules Service	Module	PID(s)	Port(s)	Actions				🕜 N	etstat
	Apache			Start	Admin	Config	Logs	2	Shell
	MySQL			Start	Admin	Config	Logs	Ex Ex	plorer
	FileZilla			Start	Admin	Config	Logs	🚽 🛃	rvices
	Mercury			Start	Admin	Config	Logs	0	Help
	Tomcat			Start	Admin	Config	Logs		Quit
2:23:22 P 2:23:22 P 2:23:22 P 2:23:22 P 2:23:22 P 2:23:22 P 2:23:22 P 2:23:22 P 2:23:22 P	M [main] M [main] M [main] M [main] M [main] M [main] M [main] M [main]	there will b about runni XAMPP Ins Checking fr All prerequi Initializing I Starting Ch Control Par	e a security dia ing this applicat stallation Direct or prerequisites isites found Modules neck-Timer nel Ready	logue or thii ion with adr ory: "c:\xam	ngs will bre ninistrator i ipp\"	ak! So think rights!	ξ		^

5. Open the ISP Web browser of choice and enter this url:

http://localhost/Kernel/index.php/controller/login



3.3. Sharing and Permissions

1. Go to the Kernel folder inside the htdocs folder and right click on the **assets** folder.

•••	Kernel	
	• * • ()	
Name	Size	Kind ^
application		Folder
assets		Folder
system	122	Folder
user_guide		Folder
vendor		Folder
💩 composer.json	594 bytes	JSON file
🗟 contributing.md	7 KB	Markdoument
💩 index.php	10 KB	PHP source
license.txt	1 KB	Plain Text
💩 readme.rst	2 KB	reStruccument
Kernel (Demo).sql	52 KB	SQL File

For Mac OS X:

Choose **Get Info**. Under the Sharing & Permissions section, click the privilege cell and choose Read & Write.

Name	Privilege
🔛 everyone	C Read & Write
👥 admin	C Read & Write

For Windows:

Choose **Properties**. Go to the Security tab and click **Edit.** Check "Read" and "Write" checkbox under the Allow column and apply changes.

🐌 assets Properties 📃 💌	Permissions for assets
General Offline Files Security Previous Versions Customize	Security
Object name:	Object name:
Group or user names:	Group or user names:
CREATOR OWNER	& CREATOR OWNER
To change permissions, click Edit.	_
Parmiesions for CREATOR OWNER Allow Dany	
Full control	Add Remove
Modfy	OWNER Allow Deny
List folder contents	Read & execute
Read	Read
For special permissions or advanced settings, click Advanced	Write
Learn about access control and permissions	Special permissions
	Learn about access control and permissions
OK Cancel Apply	OK Cancel Apply
	C.



2. Repeat step 1 for the **uploads** folder within the assets folder.

		₩ ×
Name	Size	Kind ^
animate.css		Folder
anyChart		Folder
bootstrap-notify-3.1.3		Folder
bower_components		Folder
🕨 🚞 build		Folder
css		Folder
🕨 🚞 dist		Folder
documentation		Folder
🕨 🚞 jsgantt		Folder
🕨 🚞 media		Folder
pages		Folder
plugins		Folder
progress-circle		Folder
🕨 🚞 uploads		Folder
yarn.lock	151 KB	Document
💿 index.html	52 KB	HTML
o index2.html	68 KB	HTML
starter.html	16 KB	HTML
💩 Gruntfile.js	10 KB	JavaScsource
💩 bower.json	2 KB	JSON file
💩 composer.json	602 bytes	JSON file
package-lock.json	255 KB	JSON file
💩 package.json	2 KB	JSON file
a changelog.md	9 KB	Markdoument
README.md	3 KB	Markdoument
LICENSE	1 KB	TextEdit

3. Repeat step 1 for the **templates** folder within the uploads folder.





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