

Abdul Malik Ikhsan  
 Komplek Nata Endah Blok U19 Cihanjuang  
 Cimahi Utara Jawa Barat 40513  
 Indonesia

Europe Copper Limited  
 EC1V 4PW  
 145-157 St. John's Street  
 London  
 United Kingdom

Invoice # 000025  
 Invoice Date November 1, 2017  
**Balance Due (USD) \$3,075.00**

Task	Time Entry Notes	Rate	Hours	Line Total
Programming Service	[falk 10/01/17] Abdul Malik Ikhsan: Apps: - optimizations: add missing \$alert initializations for flashmessage, query optimize with limit 1 when possible, remove unneeded modules registration,	30.00	0.25	7.50
Programming Service	[falk 10/02/17] Abdul Malik Ikhsan: unityoms: - apply get current errors on form element errors, collection error messages, and apply has-error class into field that validation failure  apps: - short array syntax apply in configurations	30.00	1.25	37.50
Programming Service	[falk 10/03/17] Abdul Malik Ikhsan: apps: - "dbname" parsing consistency/patch when join cross DB, ref: <a href="https://3v4l.org/1mLV2">https://3v4l.org/1mLV2</a> - db config consistency  unityoms: - /customer and /customers routes and pages initialization	30.00	2.5	75.00
Programming Service	[falk 10/04/17] Abdul Malik Ikhsan: unityoms, falkcentral: - table rename code : rename "customer" to "customers" and rename "country" to "countries"  unityoms: - bug fix: there is no AccountController as replaced with DashboardController - bug fix: using /your-account for review invitation email accountLink for falkpublic that use /your-account instead of /account  unityapi: - bug fix \$table property value of CustomerTable model - join customers bug fix  falkpublic: - apply basket_id as parameter when register to use it to insert to customer table in api	30.00	2.5	75.00
Programming Service	[falk 10/05/17] Abdul Malik Ikhsan: unityoms: - apply foundation template to customers index	30.00	4.5	135.00

Task	Time Entry Notes	Rate	Hours	Line Total
	<ul style="list-style-type: none"> <li>- update paginator using foundation paginator</li> <li>- Queries for search select boxes</li> <li>- Queries show data with sort orders</li> <li>- set default action for /customer is newAction()</li> </ul> <p>unityapi:</p> <ul style="list-style-type: none"> <li>- update customer_status_id to 2 (Active) when activate user</li> </ul> <p>falkpublic:</p> <ul style="list-style-type: none"> <li>- bug fix: double submit on update account detail submit was caused redirect error</li> <li>- using flash messenger for account detail has been updated message</li> </ul>			
Programming Service	<p>[falk 10/06/17] Abdul Malik Ikhsan: falkpublic, falkoms:</p> <ul style="list-style-type: none"> <li>- immediate refresh token when counter = 0</li> </ul> <p>unityoms:</p> <ul style="list-style-type: none"> <li>- security patch: move session expiration check in Module::init() to avoid overlap session check(read-write)</li> <li>- apply ViewJsonStrategy for JsonModel</li> <li>- JS for check uncheck count checkbox(es) in /customers page</li> <li>- search update for bring keyword and count_per_page in url when click page link</li> <li>- route fix pagination list</li> <li>- save customer list count per page state to cookie</li> </ul> <p>unityapi:</p> <ul style="list-style-type: none"> <li>- remove empty config file</li> </ul>	30.00	4.25	127.50
Programming Service	<p>[falk 10/07/17] Abdul Malik Ikhsan: unityoms:</p> <ul style="list-style-type: none"> <li>- adding AdvancedSearchboxForm for advance search filters</li> </ul>	30.00	3.25	97.50
Programming Service	<p>[falk 10/08/17] Abdul Malik Ikhsan: unityoms, falkpublic:</p> <ul style="list-style-type: none"> <li>- security patch: use secure = true flag on https scheme on cookie</li> </ul> <p>unityoms:</p> <ul style="list-style-type: none"> <li>- security path: needs login to open /info, more information about cookie, session and cache</li> <li>- remove redundant base_url as use of basePath js variable</li> <li>- keep advanced search filter open when submit hit</li> </ul> <p>falkpublic:</p> <ul style="list-style-type: none"> <li>- bug fix: non "category" count in cookware-catalogue should be a group of product_id count, while for "category", one products can be in &gt; 1 category</li> </ul>	30.00	2.5	75.00
Programming Service	<p>[falk 10/09/17] Abdul Malik Ikhsan: unityoms:</p> <ul style="list-style-type: none"> <li>- sort order with search</li> <li>- js date from date to range</li> </ul>	30.00	4	120.00

Task	Time Entry Notes	Rate	Hours	Line Total
	<ul style="list-style-type: none"> <li>- js numeric filter customer-id range</li> <li>- js customer from to value check</li> <li>- js onblur customer id range filter</li> <li>- security patch: donot use default layout for not found page to avoid attacker see admin page, eg: unityoms.com/404, use blank layout instead</li> </ul> <p>apps:</p> <ul style="list-style-type: none"> <li>- security patch: donot show display not found reason on deploy</li> <li>- security patch: set display_exceptions = false for deploy</li> </ul> <p>unityapi, falkcentral:</p> <ul style="list-style-type: none"> <li>- using blank layout with content "It works" only for security reason</li> </ul>			
Programming Service	<p>[falk 10/10/17] Abdul Malik Ikhsan: unityoms, falkpublic:</p> <ul style="list-style-type: none"> <li>- bug fix removed session by end of gc_maxlifetime when sessions removed by system cronjob (especially happen in green server) by set gc_maxlifetime and cookie_lifetime as a rememberme seconds value</li> </ul>	30.00	2.75	82.50
Programming Service	<p>[falk 10/11/17] Abdul Malik Ikhsan: unityoms:</p> <ul style="list-style-type: none"> <li>- js check/uncheck count/text update fix</li> <li>- order by total spent on highest-spending order</li> <li>- apply high spent value column</li> </ul> <p>unityoms,falkpublic:</p> <ul style="list-style-type: none"> <li>- cache call optimization</li> <li>- security patch: counter = 0 is not allowed to re-new token</li> </ul>	30.00	4.75	142.50
Programming Service	<p>[falk 10/12/17] Abdul Malik Ikhsan: unityoms:</p> <ul style="list-style-type: none"> <li>- apply currency iso code suffix after total spent column</li> <li>- append customer_id asc when sort by last name</li> <li>- add customer_status_id and mailing_status_id into column list data</li> <li>- add www. prefix for already https as well when accessed uri doesnot has www. prefix</li> <li>- remove check order_currency_id = 0 as never be 0</li> <li>- get currency id base on base_currency_id when currency group &gt; 1 and use order_currency_id when = 1</li> <li>- order by last order id for recent orders sort</li> <li>- advanced search filter by name,status,email,country,group,website,status,customer_id start/to</li> <li>- js: reload page on cancel advanced filter when on submitted and has at least one value</li> </ul> <p>unityoms,unityapi:</p> <ul style="list-style-type: none"> <li>- rename table currency to currencies</li> </ul>	30.00	4.5	135.00
Programming Service	<p>[falk 10/13/17] Abdul Malik Ikhsan: unityoms:</p> <ul style="list-style-type: none"> <li>- advanced search filter by registered date from/to</li> <li>- advanced search filter by last order date from/to</li> </ul>	30.00	5	150.00

Task	Time Entry Notes	Rate	Hours	Line Total
	<ul style="list-style-type: none"> <li>- only populate contries in customer lists at advanced filter -</li> <li>&gt; countries</li> <li>- show xxx customer(s) found (xxx selected)</li> <li>- using "elastic" type as well for other pages for consistency with /customers page</li> <li>- query optimization</li> <li>- require phpoffice/phpexcel for csv export usage</li> <li>- adding csv exporter</li> </ul> <p>falkpublic:</p> <ul style="list-style-type: none"> <li>- fix product price not shown in the basket</li> </ul> <p>apps:</p> <ul style="list-style-type: none"> <li>- performance improvement with update zend-http to ^2.7</li> </ul>			
Programming Service	<p>[falk 10/14/17] Abdul Malik Ikhsan: unityoms,falkpublic:</p> <ul style="list-style-type: none"> <li>- fix safari Date object require "T" in between Y-m-d and H:i:s</li> <li>- Date.toISOString() polyfill, refs: <a href="https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Date/toISOString">https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Date/toISOString</a></li> </ul> <p>unityoms:</p> <ul style="list-style-type: none"> <li>- bring existing query parameter into export link</li> <li>- populating filtered data into /customers/export page</li> <li>- JS: populate list of customers checked by checkboxes in array to be able to bring to export page</li> <li>- bring checked boxes values into query parameter of customer_id for export</li> <li>- filter export get data with "customer_id[]" query from checkbox</li> <li>- filter numeric customer_id[] passed to query parameter</li> <li>- fix missing return; after define window.location.href early to be executed</li> <li>- bug fix: don't export empty data</li> <li>- remove isAdvancedSearch check in js part as the flag already checked in view</li> </ul>	30.00	4.5	135.00
Programming Service	<p>[falk 10/15/17] Abdul Malik Ikhsan: MySQL upgrade to 5.7 in aws and write setup steps upgrade at MacOS</p> <p>falkcentral:</p> <ul style="list-style-type: none"> <li>- use display_not_found_reason = false and display_exceptions = false for deployed, use true for local config</li> </ul> <p>kitchen:</p> <ul style="list-style-type: none"> <li>- remove unused zend-navigation, move symfony-var-dumper to require-dev</li> </ul>	30.00	2.25	67.50
Programming Service	<p>[falk 10/16/17] Abdul Malik Ikhsan: unityoms:</p> <ul style="list-style-type: none"> <li>- implement csv export header</li> </ul>	30.00	1.5	45.00

Task	Time Entry Notes	Rate	Hours	Line Total
Programming Service	<p>[falk 10/17/17] Abdul Malik Ikhsan: unityoms:  - security patch: specify specific error-layout for 404, default error, or ErrorHandler error page message with check if user non-logged in to never use master-layout when error happen</p> <p>unityoms,falkpublic:  - remove zend-mvc-i18n, replace with zend-i18n instead</p> <p>kitchen:  - specify flashmessenger and identity plugin instead of wrapper of plugin with zend-mvc-plugins  - php requirement fix</p>	30.00	1	30.00
Programming Service	<p>[falk 10/18/17] Abdul Malik Ikhsan: falkcentral:  - set use_zend_loader = false flag to use composer autoloader instead of zend loader</p> <p>unityoms:  - populate "Assign to Group" values for Action  - refactor ForgotPasswordController to ForgotPasswordServiceController  - apply \$collectionFormErrorMessages into ForgotPasswordServiceController  - JS : validate dropdown action customer list option to at least select 1 customer  - adding CustomerActionModel for dropdown actions backend process  - JS confirm "OK, Cancel" before assign customer to group  - update updated field during updating customer_group_id  - assign to group numeric handling  - assign customer to group has been implemented</p> <p>unityapi:  - forgot password email url compat with both falkpublic and unityoms due updated unityoms forgot password page to /password-service  - user "name" on forgot password, read from oauth_users for non-customer  - from and subject update</p>	30.00	4.5	135.00
Programming Service	<p>[falk 10/19/17] Abdul Malik Ikhsan: unityoms:  - delete customers with order check implemented  - JS fix: fix missing return; after alert</p> <p>unityoms,falkpublic:  - redirect fix on /auth?redirect page</p>	30.00	4.25	127.50
Programming Service	<p>[falk 10/20/17] Abdul Malik Ikhsan: unityoms, falkpublic:  - consistency call rememberMe() in order to new session_id() first before re-new token</p> <p>unityoms:</p>	30.00	4	120.00

Task	Time Entry Notes	Rate	Hours	Line Total
	<ul style="list-style-type: none"> <li>- adding CustomerHistoryTable model</li> <li>- apply customer_history insert for assign customer to group</li> <li>- adding Mailchimp service with read from site_settings mailchimp config</li> </ul>			
Programming Service	<p>[falk 10/21/17] Abdul Malik Ikhsan: unityoms:</p> <ul style="list-style-type: none"> <li>- apply delete customers -&gt; delete member from mailchimp</li> <li>- add subscribe/unsubscribe MC with subscribers/customers update</li> <li>- add MailChimp::addMember() and MailChimp::deleteMember()</li> </ul> <p>unityapi:</p> <ul style="list-style-type: none"> <li>- remove unused call \$container-&gt;get(config)</li> <li>- removed unused statements and various query optimizations</li> </ul> <p>falkpublic:</p> <ul style="list-style-type: none"> <li>- variable consistency title</li> </ul>	30.00	4.5	135.00
Programming Service	<p>[falk 10/22/17] Abdul Malik Ikhsan: unityoms,unityapi:</p> <ul style="list-style-type: none"> <li>- using PATCH method for update MailChimp member for consistency</li> </ul> <p>unityoms,falkpublic:</p> <ul style="list-style-type: none"> <li>- remove unused "expires_in" into session as using "expires" value instead</li> </ul> <p>unityapi:</p> <ul style="list-style-type: none"> <li>- use unity_culinair.subscribers for subscribers table</li> </ul>	30.00	1	30.00
Programming Service	<p>[falk 10/23/17] Abdul Malik Ikhsan: unityoms:</p> <ul style="list-style-type: none"> <li>- add middle_name in column definition at customer lists</li> <li>- update customer export columns use with latest sample</li> <li>- illegal string fix in csv exporter</li> <li>- fix total spent placing</li> <li>- use global_currency_id from site_settings as fallback when no currency_id is set in orders table</li> </ul> <p>unityapi:</p> <ul style="list-style-type: none"> <li>- adding newsletter api service</li> </ul>	30.00	5.25	157.50
Programming Service	<p>[falk 10/24/17] Abdul Malik Ikhsan: unityoms:</p> <ul style="list-style-type: none"> <li>- add Website, Language, and Middle Name into mailchimp requests values</li> <li>- fix website_id for subscribers table</li> <li>- fix NULL value on mailchimp middlename</li> </ul> <p>unityapi:</p> <ul style="list-style-type: none"> <li>- adding newsletter api service</li> </ul>	30.00	4.5	135.00
Programming Service	<p>[falk 10/25/17] Abdul Malik Ikhsan: unityapi:</p> <ul style="list-style-type: none"> <li>- using NameParser at Newsletter api</li> <li>- using NameParser parts "initials" for middle name</li> <li>- add language_id into required fields for newsletter</li> </ul>	30.00	4.25	127.50

Task	Time Entry Notes	Rate	Hours	Line Total
	<ul style="list-style-type: none"> <li>- add country_code to required fields newsletter</li> <li>- format data newsletter customer and non-customer found</li> <li>- using customer source_website_id when customer found</li> </ul> <p>falkpublic, falkkitchen:</p> <ul style="list-style-type: none"> <li>- use maximum name = 104 with assumption NameParser's initials is a middle name, eg: Neil R. Corke, mark "R." as middle name</li> </ul>			
Programming Service	[falk 10/26/17] Abdul Malik Ikhsan: Help Neil for MySQL installation at Neil's local dev	30.00	1	30.00
Programming Service	<p>[falk 10/27/17] Abdul Malik Ikhsan: unityoms:</p> <ul style="list-style-type: none"> <li>- using \$body['status'] !== 'subscribed' for unsubscribe check as it may other status, eg: "pending"</li> <li>- force delete and re-add when MailChimp::addMember() got status code !== 200</li> </ul> <p>unityapi:</p> <ul style="list-style-type: none"> <li>- subscribe action newsletter api implemented</li> <li>- unsubscribe api service implemented</li> <li>- handle if mailchimp member found and status !== "unsubscribed" for subscribe request</li> <li>- mark country_code = 0 as localhost</li> <li>- customer-sync-mc moved to api</li> <li>- customer-sync-mc fix non-updated 0 customer_id as triggered with webhook when typo bug happened</li> </ul> <p>falkcentral,falkpublic,falkkitchen:</p> <ul style="list-style-type: none"> <li>- remove mailchimp config from autoload</li> </ul> <p>falkcentral:</p> <ul style="list-style-type: none"> <li>- remove newsletter webhook as moved to falkapi</li> </ul> <p>falkpublic:</p> <ul style="list-style-type: none"> <li>- implemented api call newsletter subscribe request via footer form and /register page</li> </ul> <p>falkkitchen:</p> <ul style="list-style-type: none"> <li>- implemented api call newsletter subscribe request via footer form</li> </ul>	30.00	5	150.00
Programming Service	<p>[falk 10/28/17] Abdul Malik Ikhsan: unityoms:</p> <ul style="list-style-type: none"> <li>- clean up SubscriberTable model</li> <li>- add missing \$tableGateway property at CurrencyTable model</li> </ul> <p>unityapi:</p> <ul style="list-style-type: none"> <li>- using customer data for update mailchimp sync</li> <li>- apply mname, title, website, customerid webhook update profile</li> <li>- pull merge_files from customer detail data for newsletter webhook</li> <li>- apply language update into webshook as well</li> </ul>	30.00	4	120.00

Task	Time Entry Notes	Rate	Hours	Line Total
	<ul style="list-style-type: none"> <li>- add various missing properties in entities and fixing return docblocks</li> <li>- handle empty language_code</li> <li>- fix cannot update customer_id on subscribers not updated</li> </ul> <p>apps:</p> <ul style="list-style-type: none"> <li>- performance improvement: remove \$this-&gt;getTableGateway() call inside model class, direct call \$this-&gt;tableGateway instead</li> </ul> <p>falkpublic,falkkitchen:</p> <ul style="list-style-type: none"> <li>- handle non-200 status code result and too many request on bottom subscribe form</li> </ul> <p>falkkitchen:</p> <ul style="list-style-type: none"> <li>- remove unused Subscriber* classes resources</li> </ul>			
Programming Service	<p>[falk 10/29/17] Abdul Malik Ikhsan: unityoms:</p> <ul style="list-style-type: none"> <li>- fix non set cleaned date time of subscribers when customer deleted, as there is no webhook for "DELETE", only for "cleaned"</li> <li>- add missing update "updated" field on update product_reviews, reduce db coupling syntax when possible ( select NOW() )</li> </ul> <p>unityapi:</p> <ul style="list-style-type: none"> <li>- bug fix: "upmail" webhook should update subscribers customer_id based on new_email if customers data found, use 0 when not found</li> <li>- bug fix: remove unneeded empty check</li> <li>- update customer_id from cleaned</li> <li>- bug fix: subscribe via newsletter api should set customer mailing_status_id = 2 ( pending)</li> <li>- bug fix: update customer mailing_status_id when webhook subscribe,unsubscribe,cleaned triggered</li> <li>- use current datetime for legacy deleted mc data on customer-mc-sync</li> <li>- deleted mc "status" and "deleted" datetime value</li> </ul> <p>falkcentral:</p> <ul style="list-style-type: none"> <li>- bug fix: apply missing update "updated" field when update customers record</li> </ul>	30.00	2.5	75.00
Programming Service	<p>[falk 10/30/17] Abdul Malik Ikhsan: unityoms:</p> <ul style="list-style-type: none"> <li>- source -&gt; origin_id and status -&gt; status_id on subscribe/unsubscribe</li> <li>- using status -&gt; status_id for reference new table</li> <li>- use status_id = 4 for unsubscribe</li> <li>- auto subscribe using timestamp_opt for "joined" as no timestamp_signup for auto subscribe</li> <li>- set null value for title, fname, lname, mname for subscribers table when empty</li> </ul>	30.00	4	120.00


Task	Time Entry Notes	Rate	Hours	Line Total
	unityapi: - apply status -> status_id, source -> origin_id for reference newsletter table - status -> status_id and absolutize of status_id < -1 - use status_id = 4 for unsubscribe - fix timestamp_opt set for subscribe - fix "unsubscribe" datetime with mc last_changed value and use its values for updated field of customers - handle undefined index last_changed - using null value in subscribers tabel when empty for title, fname, lname, and middle_name - stringify lastName for non-customer - remove various unused api services: translate-title-and- content ,fetch-supported-google-translate-languages  falkpublic, falkkitchen: - fix newsletter form action with base path include with url view helper  falkpublic: - fix undefined index countryCode in neilcorke local dev			
Programming Service	[falk 10/31/17] Abdul Malik Ikhsan: unityoms, unityapi: - delete membership from other list_ids when add member implemented  apps: - NotFoundLoggingModule bug fix: allow dashed action name to be detected, eg: /newsletter/subscribe-request as correct url  clickapp: - bug fix: not_found_log not inserted for //p/404* pages and remove unused view templates - add missing command to clear-and-optimize cache that make bloated unremoved obsolete caches directory for not found pages country cache  falkcentral: - remove unused SubscriberTable model  unityapi: - allow multiple signup	30.00	2.5	75.00
		<b>Total</b>		<b>3,075.00</b>
		Amount Paid		0.00
		<b>Balance Due (USD)</b>		<b>\$3,075.00</b>

**Notes**

Bank Details

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Bank: BCA (Bank Central Asia)  
Bank Account: 008 090 8440  
SWIFT: CENAIJJA

This invoice was sent using 

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## PAYMENT STUB

Abdul Malik Ikhsan  
Komplek Nata Endah Blok U19 Cihanjuang  
Cimahi Utara Jawa Barat 40513  
Indonesia

<b>Client</b>	Europe Copper Limited
<b>Invoice #</b>	0000025
<b>Invoice Date</b>	November 1, 2017
<b>Balance Due (USD)</b>	\$3,075.00
<b>Amount Enclosed</b>	