

Invitation to Tender

Software Further Development of an Existing Product in PHP /Laravel 6.0

Ref: BIGTP005

1 Background/ Introduction

Push Logic Ltd is seeking to commission a highly experienced developer or team of developers to further refine and improve our primary product MetaCart. We successfully launched Metacart in 2019 and have 4 active subscribers, with 17 on a waiting list. MetaCart has been developed in a traditional monolith hardware / software stack and uses PHP /Laravel 6.0. Our business model requires a single code base for all customers but early signs show an API is necessary to provide customisations efficiently

Our requirements defined below will allow the business to scale MetaCart to 150+ customers and will remove unnecessary overhead in development of new sites, support and front end modifications, deployment and optimise hardware provisions.

It will also prove the application is secure with no obvious flaws in code or hardware.

The commissioning of this work is part of a grant funded application process and therefore procurement will be subject to grant approval of the project as a whole. We will compare tenders received on a compliance basis only.

2 Project Specification

1.METACART API DEVELOPMENT

Develop a restful API for MetaCart to power our front end website templates.

The API must include the following resources that can be accessed by the front end templating engine.

- 1.1 Basics
 - 1.1.1 Authentication
 - 1.1.2 Error management
 - 1.1.3 Pagination
 - 1.1.4 Links
 - 1.1.5 Filtering
 - 1.1.6 Sorting
- 1.2 Catalog
 - 1.2.1 Products
 - 1.2.2 Product Variations
 - 1.2.3 Brands
 - 1.2.4 Categories
 - 1.2.5 Collections

1.2.6 Inventory

1.3 Carts and Checkout

1.3.1 Carts

1.3.2 Checkout

1.3.3 Promotions

1.4 REQUIREMENTS

1.4.1. Review existing databases and merge, remove and refactor databases.

1.4.2. Update the database with any new structural changes we want to implement.

1.4.3 Trim any unused table / columns and optimize Database for new model

1.4.4 Design and develop API authentication system

1.4.5 Isolate functions used in the coupled system that can be reused in the new API (price rule functions, models).

1.4.6. Create API routes with some dummy content output.

1.4.7 Build API functions to populate those routes.

1.5 CRITERIA FOR ACCEPTANCE

1.5.1 A RESTful API (application program interface) that uses HTTP requests to GET, PUT, POST and DELETE data for the basic operations, catalog & cart and checkout defined above.

1.5.2 All API routes to be tested via Postman API client for expected responses.

1.5.3 API Documentation to be provided in digital format.

Examples of all API calls and output in JSON (JavaScript Object Notation) format.

2. METACART ALPHA / FRONT END

2.1 General requirement As part of the MetaCart service, we provide a progressive website front end for all our customers allowing all sites to run the latest front end features.

To deliver this efficiently we need to standardize all websites to use a single master theme (Alpha) that controls all layouts and configurations. We have designed 180 components that that once developed can be used for site construction and will work across a wide selection of clients providing very different experiences and interfaces.

This configuration will allow for all sites to be maintained from a single code base whilst providing simple and controllable customization.

The technologies to deliver this task will be dependent upon the approach and this should be included in your response.

2.2 REQUIREMENTS

2.2.1. Develop components listed below

- a Navbars
- b Headers
- c Product Description
- d Product Grids
- e Sliders
- f Checkout Process
- g Testimonials & Reviews
- h Catalog
- i FAQ – Frequently asked questions
- j Promo
- k Content
- l Contact
- m Signup / Signin
- n Miscellaneous
- o User Account
- p Blog
- q Footer
- r UI Kits

Please see attached file (Enclosure 1) that contains the components listed above.

2.3 Produce three complete front end wireframe themes from the components developed in 2A. These templates must run over the newly created MetaCart API. And respect theme configuration settings (See 2.3.2 below).

2.3.1 This should include the following templates

- a. Homepage
- ib. Category Page
- c. Product Page
- d. Login and registration pages
- e. Cart
- f. Checkout
- g. Account area
- h. Blog
- i. Blog detail page
- j. CMS page

2.3.2. Develop theme configuration options that include

- a Customer Invoice logos
- b Customer Branding
- c Colour Scheme Option
- d Selection of Headers and Footer options
- e Selection of Full width or Boxed layouts

2.3.3 CRITERIA FOR ACCEPTANCE

In order to accept this task has been completed we use the following criteria for acceptance.

- A Individual Components presented in a Bitbucket Repo in HTML5 and CSS3 for examination.
- b Ability to trial three front end templates fully functional over API.
- c Trial theme options for editing configurable options, edits to update front end appropriately.
- d Demonstration / Trial of a simple method to manage page content and components. Edits to update front end appropriately.

3 - Specific costs:

3.1. API Development

3.2. Component and Front end Development

4. Compliance table. Please complete the compliancy table at Enclosure 2.

4 ITT Timetable

The anticipated timetable for submission of the tender and commission milestones are set out below:

Activity	Date
Date ITT available on Supplier Registration Service	5 June 2020
Last date for raising queries	13 June 2020
Last date for clarifications to queries	15 June 2020
Deadline to return ITT	19 June 2020 1700
Evaluation of ITT	20 June 2020
Award of Contract	This is subject to successfully obtaining grant funding and will normally be no later than 90 days from contract evaluation

5 Conflicts of Interest

Please provide a statement with regards to a conflict of interest for this procurement through the provision of either:-

A Declaration that to your knowledge there is no conflict of interest between your company and Push Logic Ltd that is likely to influence the outcome of this procurement either directly or indirectly through financial, economic or other personal interest which might be perceived to compromise their impartiality and independence in the contexts of this procurement procedure.

Or

A Declaration that there is a likely conflict of interest between your company and Push Logic Ltd that is likely to influence the outcome of this procurement either directly or indirectly through financial, economic or other personal interest which might be perceived to compromise their impartiality and independence in the contexts of this procurement procedure, please provide details of this connection.

This will permit Push Logic Ltd to take, in the event of a conflict of interest, appropriate steps to ensure that the evaluation of any submission will be undertaken by an independent and impartial party.

Exclusion

Push Logic Ltd shall exclude applicants from participation in this procurement procedure where they have established or are otherwise aware that the applicant, to include administrative, management or supervisory staff that have powers of representation, decision or control of the applicants company, has been the subject of a conviction by final judgment of one of the following reasons:-

- Participation in a criminal organisation
- Corruption
- Fraud
- Terrorist offences or offences linked to terrorist activities
- Money laundering or terrorist financing
- Child labour and other forms of trafficking in human beings

6 Consortium or sub-contracting

Where a consortium or sub-contracting approach is proposed, all information requested should be given in respect of the proposed prime contractor or consortium leader. Relevant information should also be provided in respect of consortium members or sub-contractors who will play a significant (greater than 25%) role in the delivery of the services under any ensuing Contract.

7 Tender Application Requirements

Please provide paper copies of your application which should include:

1. Confirmation that **you the supplier** are able to meet the requirements outlined in the brief above.
2. A **dated** response which includes **our company's full postal address** (albeit your submission might be by email) and included the **Reference: BIGTP005**
3. Details of who to **contact** in your company in relation to this tender
4. **Company registration Number and VAT number (if appropriate)**
5. **Total cost** of providing the goods/ services requested.
6. The **appropriate conflict of interest statement** (as detailed in section 4).

8 Tender Scoring Criteria

The tender will be scored only on their compliance to the specification set out in section 2 and awarded to the lowest compliant tender.

9 Tender Returns

Tenders may be returned by email or post, or by delivery in person.

Tenders are to be returned by:-

Latest date to be returned: 19 June 2020

Latest time to be returned: 1700 pm

If submitting by **email**, tenders should be sent electronically to ben.lake@pushlogic.co.uk with the following message **clearly noted in the Subject box**;

Developer ref BIGTP005

Tenderers are advised to request an acknowledgement of receipt when submitting by email.

If submitting by post or in person, the Tender must be enclosed in a sealed envelope, only marked as follows:-

Tender - Strictly Confidential – Developer re BIGTP005

Addressed to:

Ben Lake
Push Logic Ltd
7 Beaconside
Beacon Road
Summercourt
TR8 5DN

The envelope should not give any indication to the Tenderer's identity. Marking by the carrier will not disqualify the tender.

If delivery **by hand** please obtain an official Receipt at point of delivery.

10 Clarification

There will not be any negotiations of any of the substantive terms of the Tender Documents. Only clarification queries will be answered. Any clarification queries arising from the Tender Documents which may have a bearing on the offer should be raised as soon as possible in writing. The deadline for clarification questions is 6 days before the submission date. All e-mailed queries should be sent to:-

Name: Ben Lake

E-mail: ben.lake@pushlogic.co.uk

No representation by way of explanation or otherwise to persons or corporations tendering or desirous of tendering as to the meaning of the tender, Contract or other Tender Documents or as to any other matter or thing to be done under the proposed contract shall bind us unless such representation is in writing and duly signed by Ben Lake of Push Logic Ltd. All such correspondence shall be returned with the Tender Documents and shall form part of the Contract.

Tenderers must provide a single point of contact in their organisation for all contact between the Tenderer and Push Logic Ltd.

Responses to any queries will be shared through Supplier Registration Service website.

11 Disclaimer

The issue of this documentation does not commit Push Logic Ltd to award any contract pursuant to the bid process or enter into a contractual relationship with any provider of the service. Nothing in the documentation or in any other communications made between Push Logic Ltd or its agents and any other party, or any part thereof, shall be taken as constituting a contract, agreement or representation between Push Logic Ltd and any other party (save for a formal award of contract made in writing by or on behalf of Push Logic Ltd).

Bidders must obtain for themselves, at their own responsibility and expense, all information necessary for the preparation of their tender responses. Information supplied to bidders by Push Logic Ltd or any information contained in Push Logic Ltd's publications are supplied only for general guidance in the preparation of the tender response. Bidders must satisfy themselves by their own investigations as to the accuracy of any such information and no responsibility is accepted by Push Logic Ltd for any loss or damage of whatever kind and howsoever caused arising from the use by bidders of such information.

Bidders shall be responsible for their own costs and expenses in connection with or arising out of their response. Push Logic Ltd reserves the right to vary or change all or any part of the basis of the procedures for the procurement process at any time or not to proceed with the proposed procurement at all.

Cancellation of the procurement process (at any time) under any circumstances will not render Push Logic Ltd liable for any costs or expenses incurred by bidders during the procurement process.

Enclosures:

1. Components List
2. Compliancy Matrix

