# Software Development Proposal for Puthishala.com

**2020**

**Created by:**

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**Prepared for:**
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Address: Dhaka, Bangladesh

25 July, 2020

Mohammad Samawat Ullah

[samawat@aiub.edu]

Dear Mr. Samawat Ullah,

Please find enclosed our detailed software proposal for your kind consideration.

At Techno-Crafts we are aware that creating client-oriented software takes a mixture of technical excellence and clear communication and our firm hires only the very best to ensure you receive both. We know that every client is unique and we strive to deliver an individual, innovative and affordable proposal every time and to follow it through with an outstanding delivery which is both on time and within budget.

We have over 2 years of development in this area and our previous clients include some of the renowned corporations.

Please let us know if you would like to get in touch with our existing clients from whom you will receive nothing but positive endorsements. You may also wish to review our website at **www.techno-crafts.com** to see our portfolio of previous work and learn more about our organization.

We also pride ourselves on our after-sales client-care including our guarantees, staff-training and onsite and offsite support.

Finally, we realize that you are very busy and wanted to thank you in advance for your time spent reviewing our proposal.

Yours Truly,

*Techno-Crafts*

# Executive Summary

**Project Category:** Knowledge and Resource Upscaling
**Project Name:** *Puthishala.com*
**Project Objective:**

   1. To digitalize the concept of physical library.
   2. To decrease the security issues whereby risk area such as stolen items, long overdue borrowing, system downtime etc can be managed properly.
   3. To contribute in education system by increasing possibilites for adult-literacy.
   4. To showcase creative writing skills by blogging.
   5. Overall development for academic skills and non-academic skills.

**Project Description:** The main objective is to make the knowledge available and reachable for every one in every corner of the country. To do so we are proposing an idea of taking the library into an online platform. The idea is simple, people get everything they could've got in a physical library, from reading journals to borrowing books, from group discussion to fully undistracted reader mode and so on so forth. Plus there will be additional features since the whole platform is digitalized.

**Approved Budget:** BDT 500,000
**Status:** In Progress
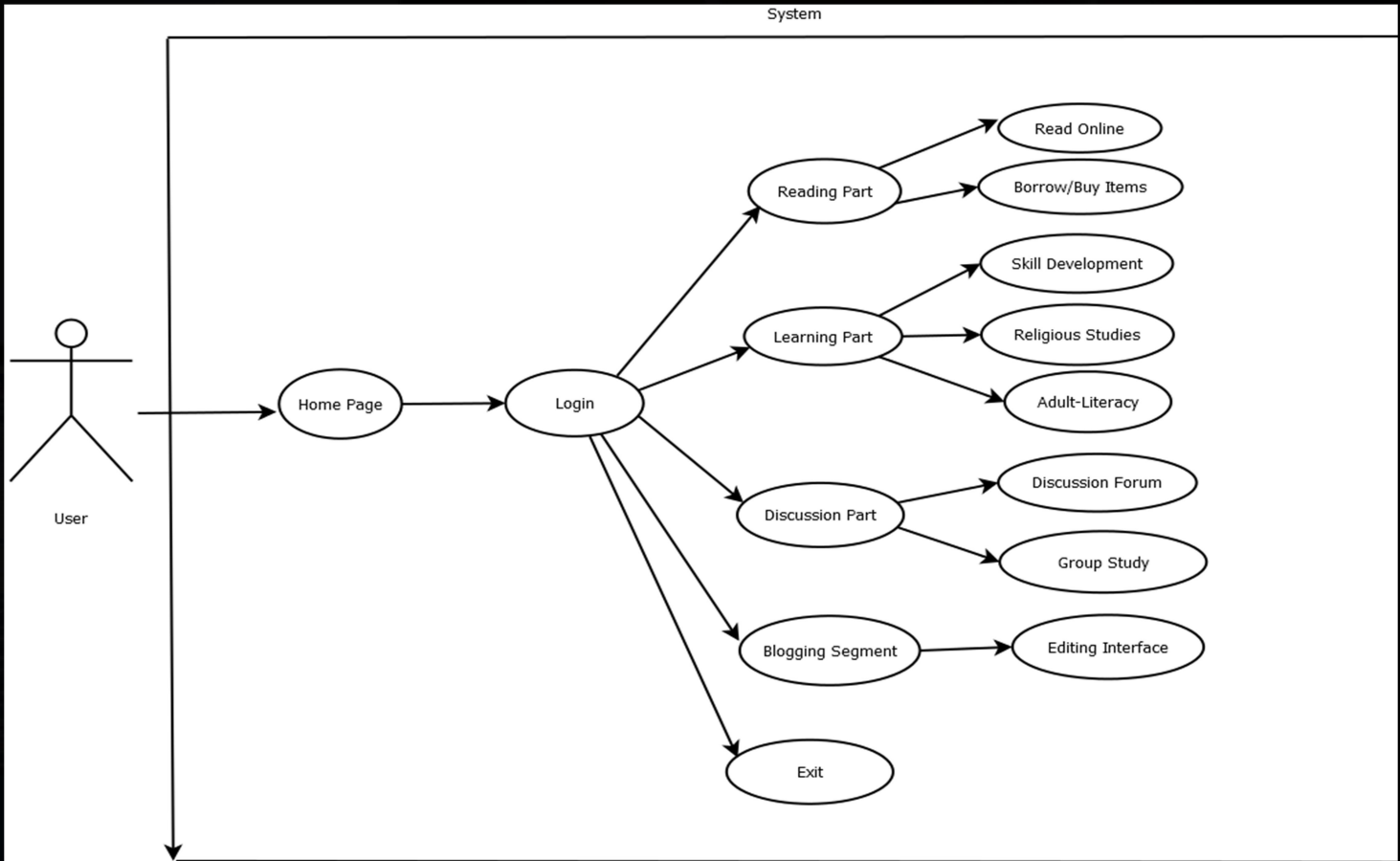**Start Date:** July 2020
**End Date:** September 2020

As accepted by Company [Olivine Limited]

Mohammad Samawat Ullah [samawat@aiub.edu]

# Project Overview

System overview can be understood from the following diagram:



The user visits the website and begins browsing the inventory. A popup is shown to the visitor if they do not choose to register manually after a while of browsing. When the visitor has finished filling up the registration form and submitted it a mail will be sent to the user's email address for confirmation of email. After the visitor has become a registered user they will have access to the blogging section, comment section and various other features. If the user chooses to become a premium member then the system will request necessary credentials from the user and send request to the user's phone for payment after the credentials have been confirmed. Once the payment has been confirmed by the system the user will become a premium member of the site. Details of future payments from the user's account will be automatically sent to the user's registered phone number. The user will be made aware of notifications and alerts via the notification system. The system will send notification details to the user's account as well as the user's mail account.

# Obstacles

- Legal concerns associated with access, copying, and dissemination of physical and digital materials.

- Translating contents of foreign languages

- Convincing authors to continue working with the digital library

# Technical Obstacles

- Detecting plagiarism in blogging platform is a technical challenge
- Preventing illegal use and download of contents
- Scheduling of waiting list for borrowing books may increase the challenge
- The pilot project might not include all the features mentioned in the scope. However, at least 60% of the scopes will be covered to meet the deadline. Also, the remaining developments will be done at a mutually agreed deadline

# Industry and Market Risks

- Inadequate response from users may affect the project economically
- Competing with existing e-learning platforms might pose a challenge

# Budgetary Risks

- For a faster development, additional resources might need to include and will incur some additional cost.

# Software and Hardware Technology  Requirements

We use the latest technologies given below:

## Hardware

TBD

## Software

Front-End -> HTML, CSS, Javascript
Back-End ->   Django, PHP, MongoDB

# Milestones and Reporting

| Milestone | Tasks | Reporting | Hours | Date |
|-----------|-------|-----------|-------|------|
| 1.1 | Analysis and design stage | Completed | 60 | 15/07/2020 |
| 1.2 | Architecture design | On Progress | 60 | 31/07/2020 |
| 2.2 | Create database | Pending | 30 | 07/08/2020 |
| 2.5 | Create GUI | Pending | 30 | 14/08/2020 |
| 2.6 | Backend Development | Pending | 90 | 05/08/2020 |
| 2.7 | Integration with Outlook | Pending | 30 | 12/08/2020 |
| 2.9 | Integration with smartphone network | Pending | 30 | 19/09/2020 |
| 3.1 | Alpha testing web application | Pending | 30 | 30/09/2020 |

# Deployment

The product will be deployed as a web application after the approval of client. After further development mobile and desktop application can be introduced.

# Testing

The product will be tested by experienced software testers, to be involved in the quality assurance stage of software development and deployment. They will conduct automated and manual tests to ensure the software created by developers is fit for purpose and any bugs or issues are removed within a product before it gets deployed to everyday users

# Documentation

The users will be provided a user manual with this product. The manual will contain instructions on how to properly use the product as well as solution to common user issues. Video tutorials will be provided by the developers for this product. Different troubleshooting measures will be explained in detail in the user manual.

# Warranty

We warrant that the software will perform without Defects during the term of this agreement. If the software does not perform as warranted, we will use all reasonable efforts, consistent with industry standards, to cure the Defect in accordance with the maintenance and support. After the end of the agreement if any problem or bug arises additional charges may apply then.

# Support

Additional technical support will be available if required. Medium of support can be any of the followings: via Phone, e-mail, social media, website and can be available 24/7.

# Training

One week of training service will be provided by two of our employee for getting used to the software. Additional training can be provided if requested or after a major update.

# Pricing and Payment Terms

Our fee for seeing the project through from start to completion will be **5 lakhs**. This is calculated at an hourly rate of 1893.94 bdt.

| Proposed payment terms | Proposed payment terms |
| --- | --- |
| 25% (25%) | Paid on acceptance of this proposal and signing of our software development agreement. |
| 25% (50%) | Paid at completion of Milestone 1. |
| 25% (75%) | Paid at completion of Milestone 2. |
| 15% (90%) | Paid at completion of Milestone 3. |
| 10% (100%) | Paid at completion of Milestone 4. |

# Contact Us

You can get in touch with us in any of the below ways:

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**On our website**
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412, C-Block, Bashundhara, Dhaka

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mail@technocraftsbd.com

If you would like to proceed with our proposal then you can sign the first page and return a copy to us by fax, email or post. In any case please feel free to call us to discuss the quote, request more information or for any other reason.

We look forward to hearing from you soon!

Techno-Crafts

Mohammad Samawat Ullah
Olivine Limited

[Muzakker] [Hossain]

[Mohammad Samawat]  [Ullah]