



Technical Architecture and Project Plan  
Project: Swift Owls  
Platform: Web Platform

Submitted To :

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## **1. Vision and Scope**

The intent of this document to provide the complete e-learning marketplace solution to Ryan owner of Swift Owls. This is a platform to provide video tutorial of application development and various integrations using swift programing language to people seeking for tutorial for application development for iOS devices.

The document details our understanding from the provided information and the brief, the objectives of the services suite, the methodology, deliverables and commercials. The document will give you a brief details of various highlighted features and our work plan for the platform development.

## **2. About Mobylyte Inc.**

Mobylyte Inc. is a Software Development Company based in Fremont, California that offers complete technology services in Software development, Mobile development, and Cloud computing. Merging Information Technology skills in all its services and operations, the company caters to its globally positioned clients by providing dynamic feasible IT solutions. Mobylyte work along with its clients to deliver high-performance results, based exclusively on the one of a kind requirement.

## **3. Scope of Work**

Mobylyte will do the complete consulting, development, testing, maintenance and marketing of this social platform, whereas this proposal/ contract only includes the cost for consulting, development and testing of the platform.

For Marketing and maintenance separate proposal will be drafted for client.

Scope of work will elaborate the complete details about the business platform, its functionality and high level technical architecture.

#### a) Technical Specification:

**Supporting Web Platform:** Mozilla, IE7+, Chrome, Safari and Edge.

**Technology platforms:**

**Front End Designing:** Adobe Photoshop and Adobe Illustrator

**Front End Development for Web Platform:** HTML5, CSS3, Angular JS.

**Back End Development:** Node JS framework Express JS.

**Data Base:** Mongo DB

**Web Services:** RESTFul Services.

*Suggested 3rd Party Service Providers*

*(Third Party Services will be directly charged to client. Service Provider will only monitor the third party subscriptions if assigned for maintenance):*

*Payment Method: PayPal Merchant Account*

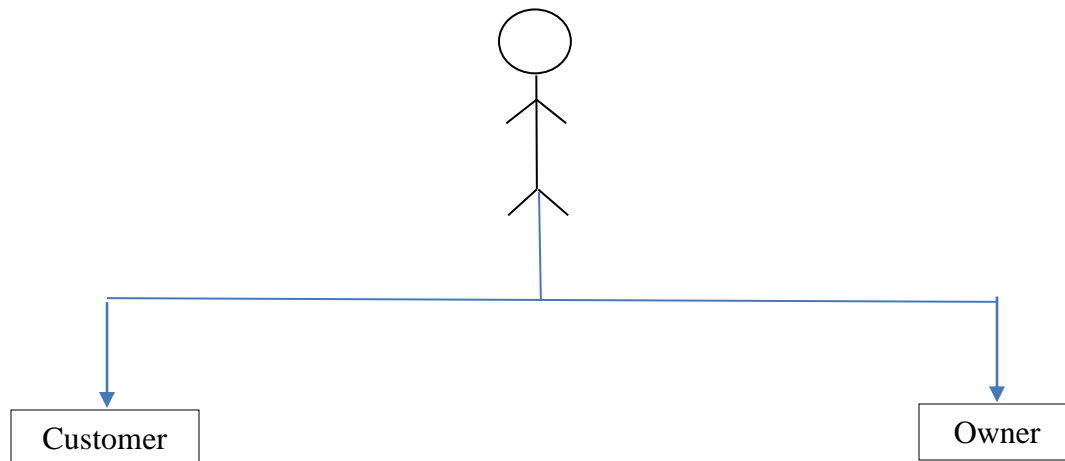
*Server: Any scalable server which client want to provide.*

*Social Media Integration: Facebook, Twitter and YouTube.*

#### b) Functional Specification:

- **User Type:**
  - **Customer (Visitor)** : Access from web front-end
  - **Admin (Owner)** : Access from Web Backend

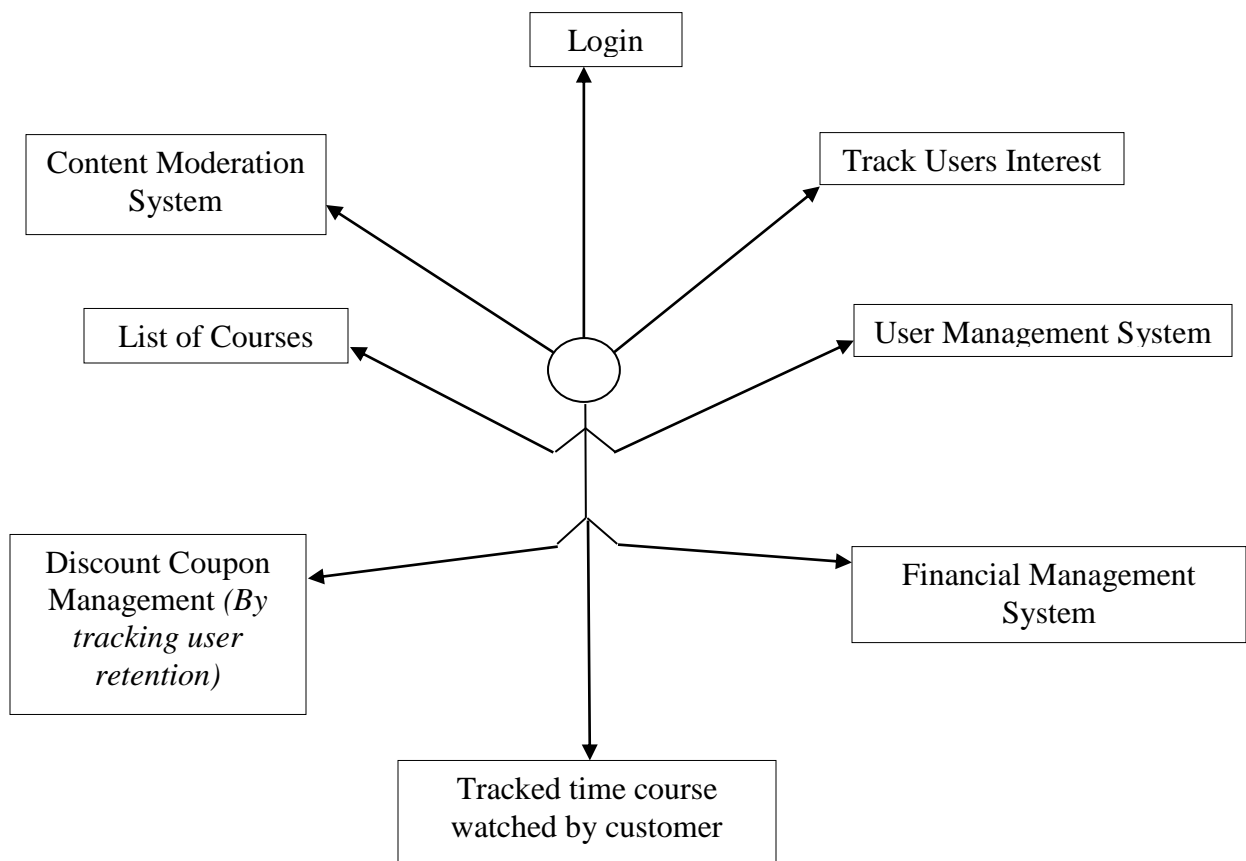
- **Data Flow:**



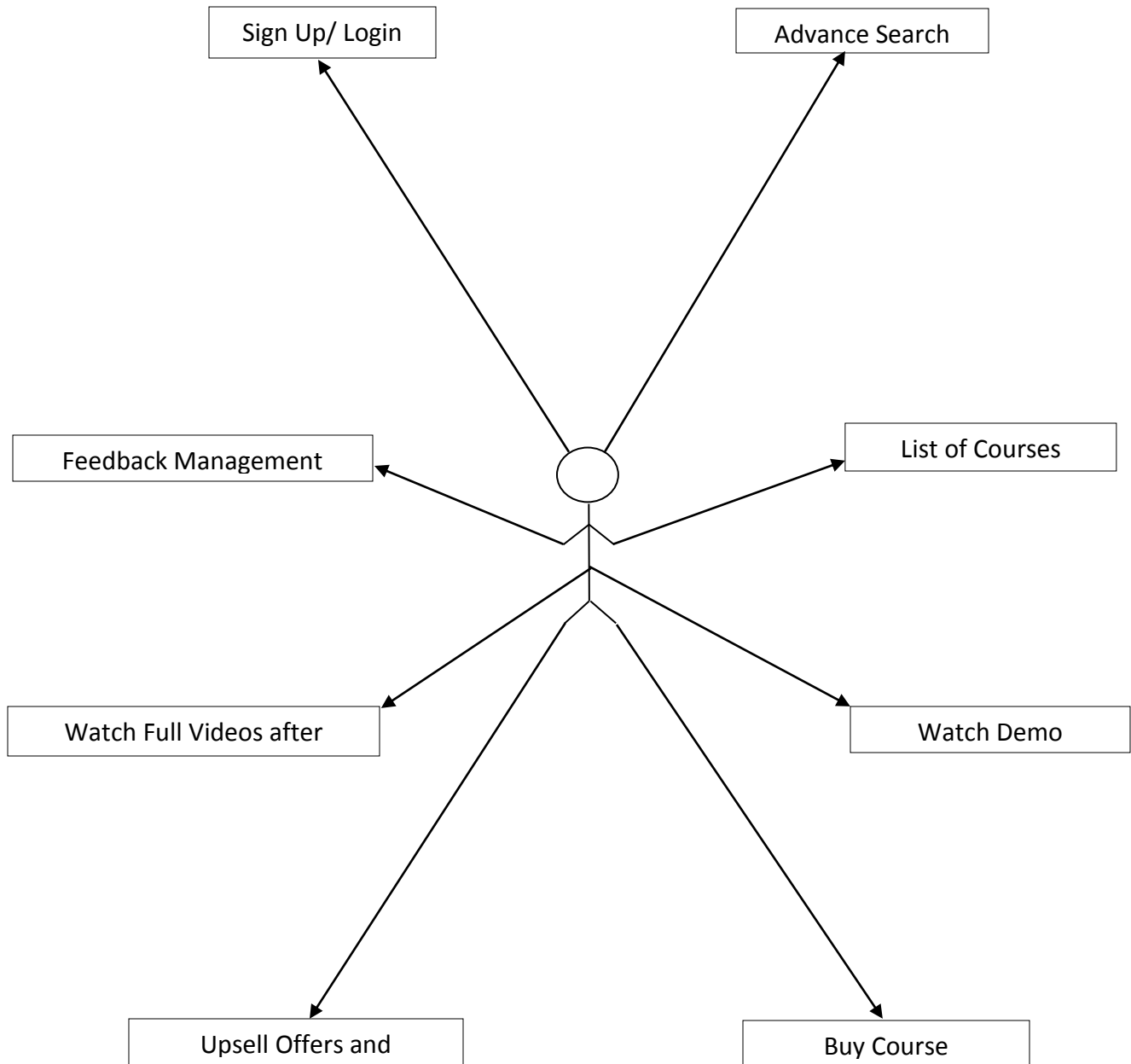
- **Architecture**

- **Use Case**

**Admin (Owner):**

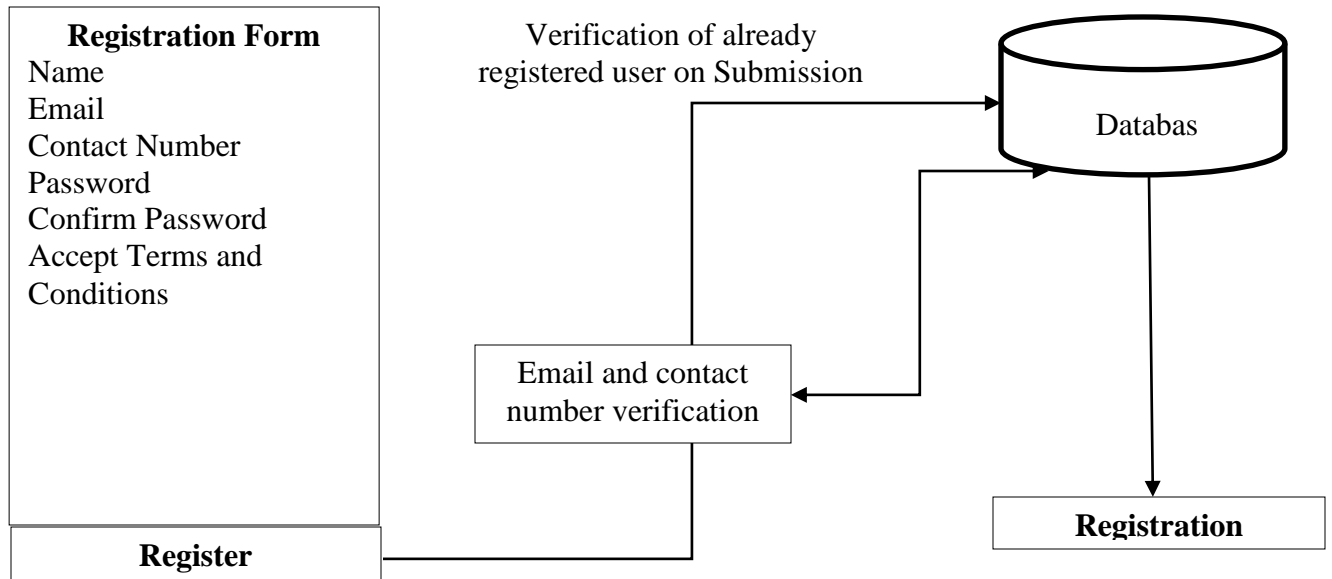


**Advertiser (Customer)**



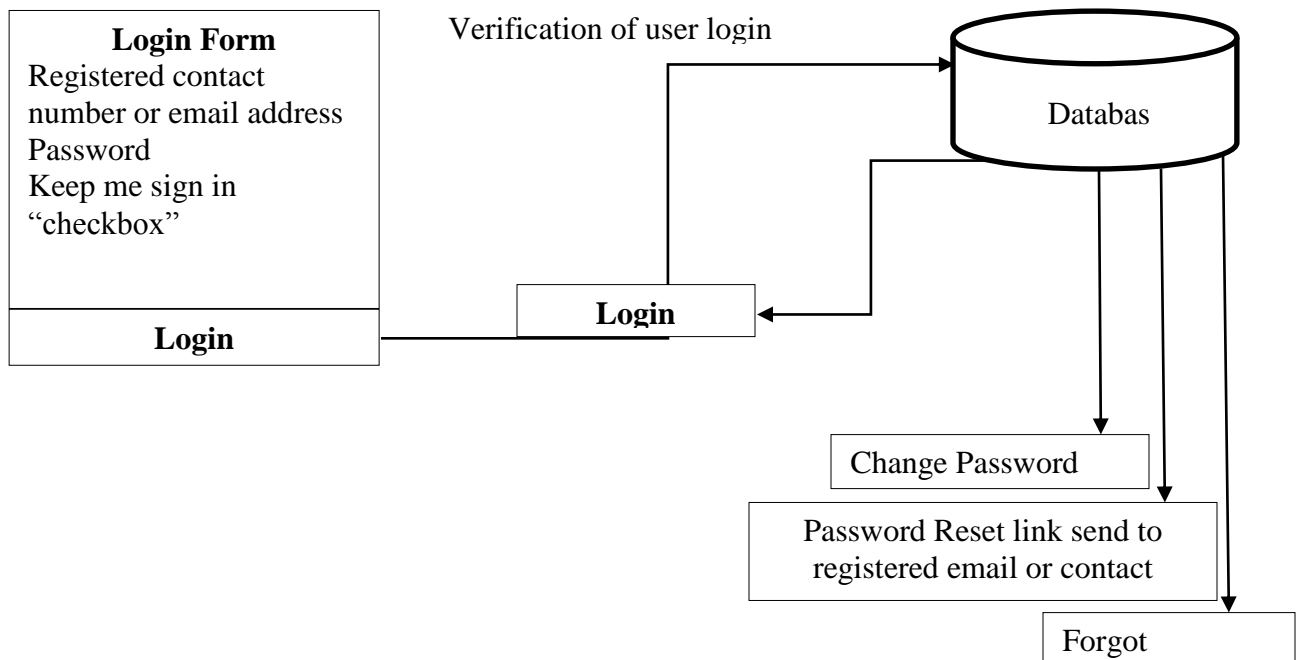
## ○ Customer/ Visitor Registration and Login Process

### Sign Up/ Registration:



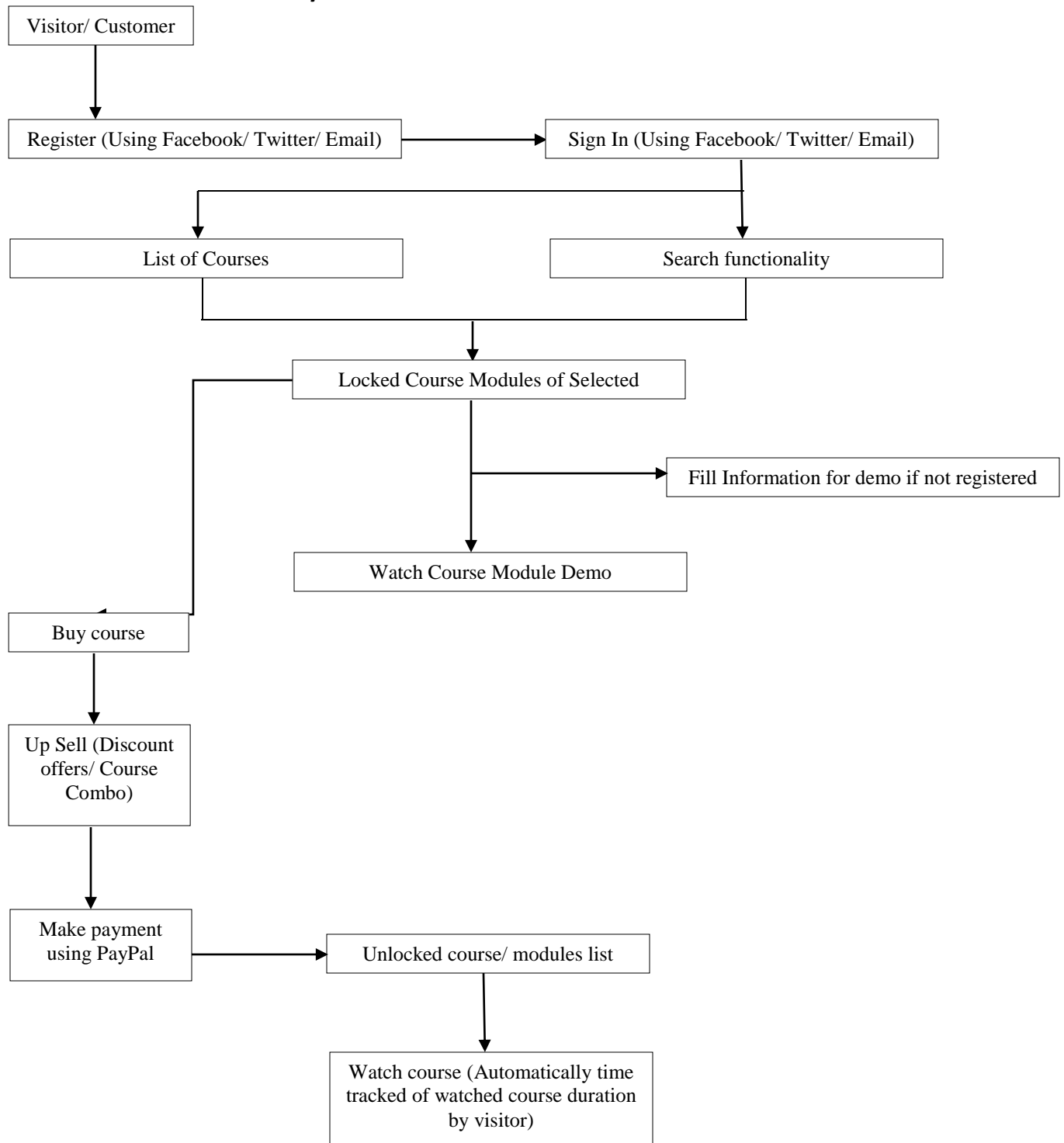
*\*\*Contact number verification can be only done if client want to buy 3<sup>rd</sup> party API of SMS service provider.*

### Login Process:

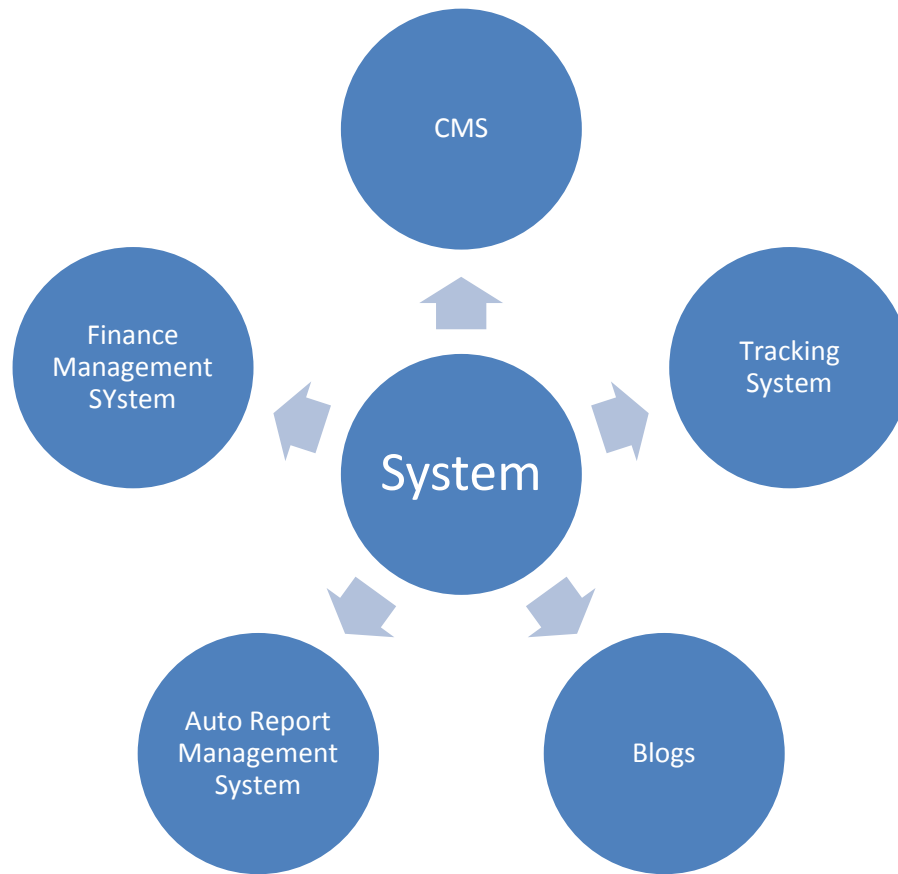




○ **Visitor/ Customer Flow**



○ **System Functionality:**

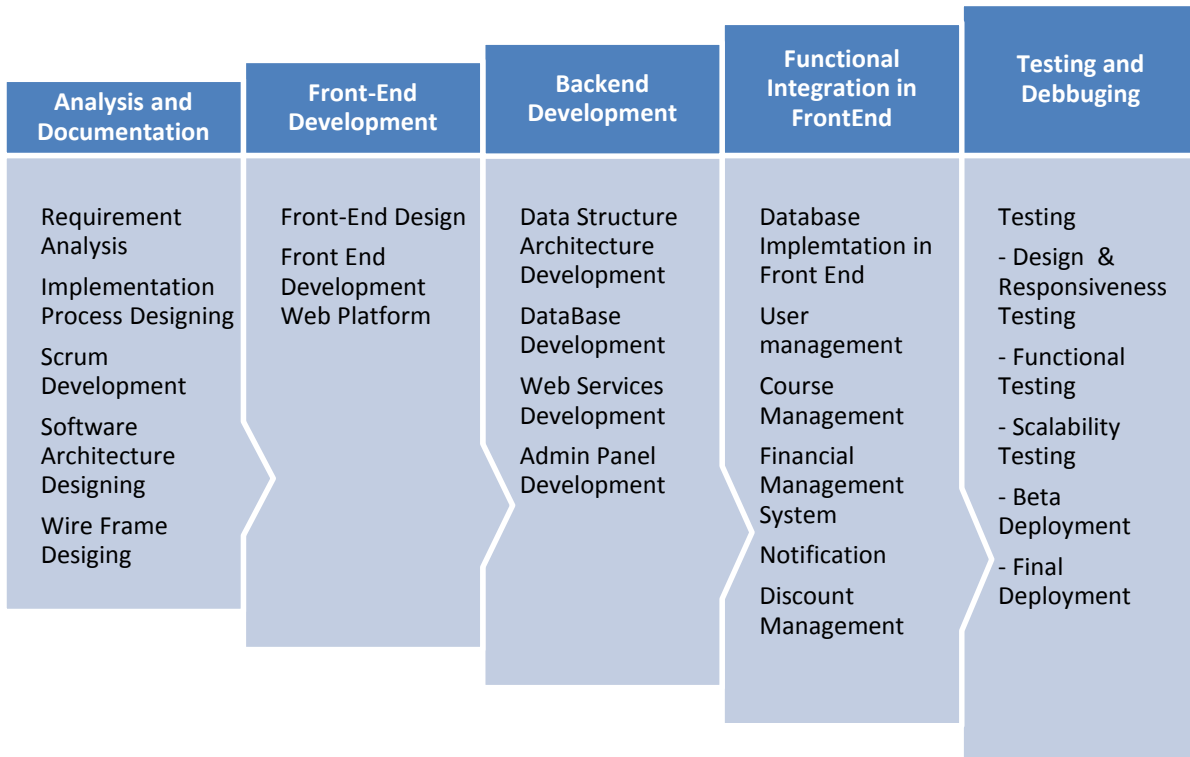


***C. Non – Functional Specification:***

- **Accessibility:** System shell is accessible through all the mobile devices for that corresponding operating system including tablets.
- **Availability:** System will be up and available all the time.
- **Documentation:** We will provide a complete documentation of source code.
- **Extensibility:** The system will be developed in a modular approach s it will be possible you to add more feature later on.
- **Maintainability :** The system will be developed in a manner which will be easy to maintain
- **Performance :** The response time and the performance of the software will be tested on various devices and versions of OS and is within acceptable limits
- **Robustness :** The code will be robust handling any enforceable errors

and displaying appropriate error messages instead of ERP crashing

#### 4. Project Approach and Deliverables:



#### 5. Standardization's

##### Testing Standards

We make sure each of our services undergoes rigorous testing so that it becomes 100% free of bugs. All the standard methods of white and black box testing are in place to achieve this feat. We:

1. Ensure a cosmetic bug test before delivery.
2. Validate complete Platform

##### Delivery Standards

We promise to deliver the final project in the following ways

- A document briefing all details of the files and Database structure will be released after the final payment.
- Deliver the complete source code.
- All copyrights to the software will be held by Client.

## 6. Risks

Every project has its risks and it is important to acknowledge them at an early stage to allow for contingency plans to be put in place.

1. Scope creep is the one of the major reason behind the failure of project. So we have to ensure that this scope is frozen to work on.

## 7. Assumptions

1. We are assuming that the server will be available 24\*7 to reduce the downtime of the server.

## 8. Why Mobilyte

**Performance:** A completely working up that is poor in performance or has a poor user experience cannot be successful. Therefore we not only test for bugs, but our team of functional testers do a comprehensive performance testing including stress and load testing to ensure that the system is always performing under acceptable levels of usage adding to a great user experience

**Comprehensive Testing:** We at Mobilyte value our customer's expectations and the impact the product will have on your users. Therefor our team of testers ensure that the platform is tested thoroughly under various scenario of uses ensuring a completely bug free delivery.

**Relationship:** We at Mobilyte value each customer whether big or small and ensure that his/her experience working with us is fun and he feels a part of the development process throughout the project. We also ensure that we are there for our customers supporting and hand holding them at every step making them

feel in control by letting them make informed choices all along. Once you have worked with us you would feel the difference that we offer in terms of Communication and customer involvement because we believe in working with the client and not for them

## 9. Progress Reporting and Communication

We will be available for conference with you anytime and you can reach us to discuss regarding the project through any means apart from this we will be giving a formal weekly report on the progress of the project and the status via e-mail.

## 10. Source Code

We will transfer all the rights of the source code, artifacts and intellectual property to the owner once the project is completed.

## 11. Project Plan

S.no.	Modules	Tasks	Hours
1.	Analysis and Documentations	Requirement analysis	32
		Project plan	
		Database design	
		Test Plans	
2.	Design Phase	Front End Designing	24
		Admin panel design	12
		PSD to HTML Conversion	30
		Angular js Integration	16
3.	Technical Phase	User Login/Registration Module	16
		Courses Module	35
		Payment Module	25
		Video player integration	16
		Search Module	6
		Admin Panel Login / Registration	4
		User Management	20
		Course Management	20
		Financial Management	30

		Notification	8
		Discount Management	16
4.	QA	Testing	40
		Bug Fixing	
		Deployment	16
5.	Product Launch		
Total Number of Man Hours			366
Total Number of Days to Deliver Product			45
Number of Weeks			9
Total Cost			\$7,989

## 12. Milestones

S.No.	Tasks	Milestone
1.	Design Phase	Milestone 1
2.	Angular js Integration, Courses Module	Milestone 2
3.	Payment Module, Search and Video Integration	Milestone 3
4.	Admin Login/Registration, User and Course Management	Milestone 4
5.	Financial management	Milestone 5
6.	Final Delivery	Milestone 6

*Detailed milestones will be shared in the scrum which will be shared in analysis phase of the process*

## 13. Payment Terms

S.no	Week	Cost
1	Upfront Payment	\$2,663
2	On Delivery of Milestone 4	\$2,663
3	Final Delivery	\$2,663
Total Cost		\$7,989

## 14. Terms and Conditions

1. All the deliverables listed in the proposal are only subject to the consideration

during the development of the project. There will not be any features entertained later on those are out of scope for these tasks ETA - Estimated Time Allocation and quote will be submitted separately for this.

2. All content, images, texts, videos and Third party integration services information API, Plug-in etc. will be provided by the Client. If we provide this then client have to pay us.

3. We are not responsible for the delay of the project if the necessary information required by the Client like API's information, third party plug-ins, Payment gateways, content and shipping gateways info etc. is not timely provided by the Client.

4. General features not described in detail will carry out as per industry standards and will be supported by open source scripts when available.

5. We are not bound to add product, we will add few dummy product to test functionality. If client want to add product then he/she has to pay extra.

6. Invoice for each week will be generated on Friday of every week.

7. Any additional changes to the platform will be charged separately from this contract.

**Mobilyte, INC. (Service Provider)**

Name:

Designation:

Signature:

Date:

**Swift Owl (Client)**

Name:

Designation:

Signature:

Date: