Fora Soft

We create
funcitonal, original, reliable,
and attractive multimedia software

Proposal

To Justin Williams

uDoras

From Segey Golman

Software Analyst and Project Development Manager

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1   Document purpose

The purpose of this document is to propose the development of the site for desktop browsers. Fora Soft will provide technical expertise in building complex web applications.

2   Requirements

This proposal is based on Wireframes which can be found in the "**uDoras.zip**" document.

3   Deliverables

At the end of the project Client receives ready to use software application with source codes. Property rights and intellectual property rights transfer to the client upon payment for the Fora Soft services.

Deliverables for each stage can be seen in the section 5 of this proposal.

3   Technology approach

3.1 Architecture

The system will be designed as a web application based on PHP and MySQL.

3.2 Technologies

Fora Soft suggests building the system using the following technologies:

1) **PHP** – as a language for the web site;
2) **Symfony** 2 - as a PHP based framework;
3) **MySQL** – as a Database Server;
4) **Node**.JS – as a technology for real time communication;
5) **HTML/JavaScript** – as languages for the front end.

3.3 Supported platforms

Software is aimed at supporting the following web browsers for desktop computers:

1) Google Chrome – starting from the version 52
2) Mozilla Firefox – starting from the version 48
3) Safari – starting from the version 9
4) Internet Explorer – starting from the version 11
5) Opera – starting from the version 39

Software is aimed at supporting the following operation systems:

1) Windows –Windows 7 and above
2) Mac OS – Mavericks and above

3.4 Quality Control and Testing

Fora Soft implements manual testing of each release (internally Fora Soft uses Test Rail for test cases management).

As a part of the software development process, Fora Soft performs regular code reviews and architecture discussion meetings.

4.   Estimation Breakdown

Work Breakdown and estimation for each item are presented in the table below.

Task	Website Efforts, hours	Comment	Priority
Preparation & Planning			
Architecture design	12		1
Database design	4		1
Development environment configuration			
Jira, Confluence, Git, TestRail	2		1
Development, Test and Demo servers	4		1
Continuous integration (Jenkins)	4		1
Realization			
Functional requirements implementation			
Guest user is able to			
view Home page	4	If guest user follows a link to the training /some internal link, Home page should open up with "log in" pop-up shown	1
see sample marketing video	3	provided by client	1
restore password	8	If user has already entered his email on "Log in" page, then user's email should be auto-populated	1
register as a vendor	12	a confirmation link will be sent to user email after user registers; after user confirms his account, he will be able to log in the system	1
register as an employee	12	a confirmation link will be sent to user email after user registers; after user confirms his account, he will be able to log in the system	1
view Privacy Policy page	2	available for employees, vendors and customers also	3
All registered users are able to			
log in	8	Several users should be able to log in under one account; I.e. Customers could have dozens of people accessing their accounts simultaneously	1
log out	2		1
Certificates			
see the list of employee passing certificates	8	admin is able to view all certificates, customer - only his vendors' employees' certificates, vendor - only his employees' certificates	1
search for certificates	8	by certificate title	3

view the employee passing certificate	12	**Certificate template will be provided by client;** Certificate should contain training title, employee name, customer name, date when training completed	1
share certificate with email	8	enter email (s); user can send up to 20 emails at once	3
download certificate	16	in PDF	1
Customers, Vendors and Admins are able to			
Employees			
create employee	8	all employees should be associated with certain vendors; Employee info would be name, last four of SSN, birthday, contact info; after user is created, a confirmation link is sent to his email; when entering the system for the first time, user should set his password	1
view employee profile	4		1
edit employee profile	8		1
see the list of employees	8	in alpha order; admin can see all employees, customer - only their vendors' employees; vendors - only their employees	1
search for vendor employees	12	by name;	1
Customers and Admins are able to			
Vendors			
create vendors	8	name, email, customer name and email, address, vendor contact person, email, phone number; after user is created, a confirmation link is sent to his email; when entering the system for the first time, user should set his password	1
view vendor profile	4		1
edit vendor profile	8		1
see the list of vendors	8	in alpha order	1
search for vendors	12	by name	1
Trainings			
search trainings by title	12		1
view training program	16	customers and admins are able to view trainings (see all presentation slides, answer questions (optional), see the time limit for each slide (as text), see after-the-training test);	1
see the training progress bar	8	Progress bar should show be displayed on all slides showing user's progress	3
Reports			
filter data for the report on trainings	16	user can search info by vendor name, employee name, by dates	3

use advanced search to filter data	12	hidden by default; with advanced search user can also filter data by customer name, training title and status (all/pending/passed/failed)	4
download report on trainings	12	user ia able to download report in PDF; Report contains table with all current filters applied; Filters should be displayed above the table	3
Customer is able to			
view own Profile	8		1
edit own Profile	8	name, email, phone number, company name, address (street, city, state, country, zip code); can add up to 100 addresses to profile	2
Trainings			
see the training programs list	8	see training programs available for the customer	1
view training info	8	title, passing % (if exists), link to the training, button to view training; If Customer follows a link to training of another Customer, he will see an error message "Sorry, this training is not available fot you"	1
send request to complete training	8	customer can send request to vendors and employees; customer can select several users to send requests; email notification is sent to those employees	2
Vendor is able to			
view own profile	8		1
edit own profile	8	is able to edit all fields except company info	2
Trainings			
send request to complete training	8	vendor can send request to several employees at once; email notification is sent to those employees	2
see the list of training requests	10	see the list of requests received; if user follows the link to a training received not from the site, that training s also added to the list of trainings	2
view training info	8	title, passing % (if exists), link to the training, price, status (Not paid / Paid for N users), button to pay for the training	1
open link with customer training request	12		1
view the list of tests passed by employees	16		1
see the passing or fail status	8	vendors will only be able to see pass of fail status.	1
Payments			
pay for individual class per employee	18	with credit card (Stripe)	1
pay for individual class per batch of employees	18	with credit card (Stripe)	2

Employee is able to				
view own profile	8	this would show all their info including name, email, birthday, last four of SSN. User name and pass		1
edit own profile	8			2
Trainings				
see the list of training requests	8	see the list of requests received; if user follows the link to a training received not from the site, that training s also added to the list of trainings		2
open link with customer training request	12	link to the training can be sent to employee not on the site (by email/skype/etc)		1
view training info	8	title, passing % (if exists), link to the training, price, button to pay for the training or to open training		1
book training	20	if user follows a link to a free training or training paid by vendor, he has the ability to book it; if user books it, training is added to user training list as "Free" (if gited by admin) or "Paid" (if paid by vendor)		4
see their training history	16	date of test, % of complete, status (failed/passed)		3
complete training program	12	view presentation, answer questions; see slides number during the training		1
answer test questions during the presentation	24	doesn't affect the training results; if answered correct, user is followed to the next slide; if not correct - user is followed to the slide with the correct answer (set by admin) and then - to the test question again; if slide "with a correct answer" is also a test question already answered by employee, his answer is shown;		2
complete after-the-course test	32	multiple answers; generated from the practice questions but in random order.		1
pause training	16	when paused, the timer stops and the test is closed; employee should be able to continue test at a later time		4
see a pop-up if time limit is reached	8			3
see the training progress bar	8	Progress bar should show be displayed on all slides showing user's progress		3
Payments				
pay for the training	18	with credit card (Stripe);		1
Administrator is able to				
Trainings				
create training program	6	add title		1

add slide to the training	32	training is a presentation made from slides; slide can contain text, audio, video, test question or after-the-training test;	1
delete slide from training	8		2
add text to the program	8		1
add images to the program	12	Upload Image (up to 2Mb), can resize image on a slide	1
add audio file to the program	16	Upload Audio (up to 20Mb); users will be able to hear audio (play and pause it)	3
add video file to the program	16	Upload Video (up to 20Mb), can resize video on a slide; users will be able to view video (+ use playback tools)	3
add questions in the middle of the presentation	24	in addition to presentation slides, a course can contain test questions; admin sets question, answering options, correct answers and slide that employee should be taken to if he answers incorrect	2
change slides' order using drag&drop	32		1
set time limit of a certain slide	24	after the time limit is reached, a slide becomes not visible for user and user should have to click a button to move to next slide	3
set passing %	10		1
set price for the training	8	Different trainings will have different prices	1
edit training programs	24	can edit passing % (if there are questions in the training), title and price	3
view training info	8	title, passing % (if exists), links to the training (regular link and link to free training), price, button to pay for the training or to open training	1
delete training programs	4		3
Gift Trainings			
create link to free training	14	set number of users who can pass the training for free, enter comment (optional); Only employees will be able to follow this link; customers and vendors will receive an error message	4
delete link to free trainings	4		4
see the number of users who followed the link	8	user will see it like "10/50" which means that link allows 50 users to pass training for free and 10 users already added this training to their list	4
Customers			
see the list of customers	8	admin can see the list of all customers	1
search for customers	12	by name	1

create customers	8	name, email, phone number, company name, address (street, city, state, country, zip code); after user is created, a confirmation link is sent to his email; when entering the system for the first time, user should set his password	1
edit customers	8		2
delete customers	4		2
Reports			
filter data for the report on payments	8	user can search info by customer name, etraining title, by dates	3
use advanced search to filter data	12	hidden by default; with advanced search user can also filter data by price (set "from" and "to" numbers) and payment total (set "from" and "to" numbers)	4
download report on payments	12	user ia able to download report in PDF; Report contains table with all current filters applied; Filters should be displayed above the table	3
Vendors			
delete vendors	8		3
Employees			
delete employees	8		3
Payments			
see the list of purchases	8		3
Non Functional requirements implementation			
Graphical design creation	56		1
Graphical design integration	64		1
Add dates & times should be in user's local time zone	16	based on the device timezone	1
Testing			
Preparation of Test Cases	55		1
Manual testing of each completed feature	165		1
Installation			
Installation of the Website on server	16		1
Project Management			
Reporting, discussion of issues, meetings, demonstrations	136		1
Total efforts, man-hours	**1499**		

5   Stages and timeline

Will be determined when a list of functions is confirmed (4. Estimation breakdown – pages 5-10).

6   Budget and payment terms

6.1 Total price

The total cost of this project is USD 36635 (1499 hours x USD 24.44 per hour).
The price includes:

- Development and testing efforts to create the entire project
- Final deliverables in accordance with section 3 of this Proposal
- 3 months of bug-fixing after delivery (see Warranty below)
- Fora Soft has a right to demonstrate the result of the provided services on public portfolio web pages and by any other means to its potential customers[1].

The above price does not include third party components or services, e.g. money transfer charges, purchased hardware and software components needed for installation on the client's side (e.g. operating system, database server).

6.2 Payment schedule

Fora Soft would like to use the following payment schedule:

- 20% of the total amount – before start of the project
- 80% will be divided into stages *when a list of functions is confirmed (4. Estimation breakdown – pages 5-10).*

Fora Soft accepts payment via Upwork.com.

7   Communication

Fora Soft ensures excellent communication throughout the course of the entire project:

1) Client can communicate with the project manager by video / voice / text chat via instant messenger of their choice (e.g. Skype) or e-mail. Response time from the project

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[1] If you would not like Fora Soft to have a right to demonstrate the project to its potential customers, it is necessary to inform Fora Soft about it before start of the project. Proposed price will be without the 10% discount in this case. If no advance notice is given to Fora Soft in this regard before start of the project, it means that Fora Soft has a right to demonstrate the project to its potential customers.

manager is no more than 1 business day.

2) In the end of each week the project manager sends a status report. It contains what has been done for the week and what is planned to do for the next week.

8   Change management

Any material addition, modification or change to the agreed requirements set forth in "uDoras.zip" requested by the client before the last month of the work shall first be submitted to Fora Soft in writing. Within two (2) business days upon receiving any such request, Fora Soft shall reply setting forth the effect, if any, on the work timeline, the performance of the software or hardware as well as cost and payment. In the event that the client notifies Fora Soft within five (5) business days upon receiving such a reply from Fora Soft that the client would indeed like such additions, modifications, or changes to be implemented, this proposal shall be amended to reflect any change to the timeline and to the cost resulting from the additions, modifications, or changes.

Any change requested by the client after the project completion or during the last month of work (or during the last stage if it is longer than 1 month) should be treated in accordance with Further development and Maintenance section below.

9   Warranty

After completion of the project, if any errors are discovered within the first three (3) months after delivery – they will be fixed at no extra charge.

Project manager shall be notified in writing of any bug discovered in the delivered and paid software product. The steps necessary to reproduce the bug shall be clearly described in the body of the message. The name of the project shall be stated as the subject of the message. Within one (1) week of upon receiving any such request, project manager shall analyze the issue and inform the client about the estimated period of time required to correct the issue. Fora Soft shall remedy the problem in reasonable period of time at no additional cost and send updated source codes of the software product back to the client.

The warranty remains valid until source codes are changed (modified) by the client or any other third party or until the client allows any third party developer to work on the project. If changes in source code are carried out by anyone other than Fora Soft employees, or if the client allows anyone other than Fora Soft to work on the software, the warranty shall be deemed invalid.

10   Further development and Maintenance

Maintenance is aimed at small periodical pieces of work (minor polishing e.g. because of users' feedback; adding new content, e.g., new effects into a video generation solution; dealing with issues caused by surrounding software updates, e.g. browsers).

Further development is for new functions, improvements, or even new versions.

10.1 Maintenance

Specialists are assigned:

- part-time
- for a pre-determined fixed number of work hours per week
- for a per-determined number of weeks (minimum 4 weeks)

Work hours are:

- worked throughout of the course of each week in the determined amount; particular days of the week when they are spent are not pre-determined
- separately determined for each required specialist (developer of a specific technology, quality assurance specialist, project manager)
- pre-paid for each week before Monday of that week
- expire if are not used by the client till the end of the week (are not transferred to next weeks)

Example: you signed a maintenance contract for 20 hours per week for 6 months.

If one week you provided work load for 10 hours only, the remained 10 hours won't be transferred to the next week and will expire.

If you provided work load for 30 hours, it will be done for 2 weeks (20 hours will be worked during the 1ˢᵗ week and 10 hours during the second week).

Client can stop the maintenance contract under condition that he has informed Fora Soft in no less than 7 calendar days before the date of termination

Hourly rate for **Maintenance** is USD 33.33 (a 10% discount for the right to showcase the project to potential customers is included).

10.1 Further development

If after completion of the project, or during the last month of work on the project the client requires development of additional features, this is treated as a separate contract and should

be discussed with the Sales Manager.

Hourly rate depends on the size of the order (hours are going in a row, without break):
1) 1 - 39 hours - USD 40 per hour
2) 40 - 79 hours USD 30.56 per hour
3) 80 - 119 hours USD 27.28 per hour
4) 120 - 159 hours USD 26.11 per hour
5) from 160 hours USD 24.44 per hour
   (a 10% discount for the right to showcase the project to potential customers is included)

The hourly rates for maintenance and further development are valid until Dec 31, 2016.

After that day please reach us for the actual rates.

11   About Fora Soft

Official website: www.forasoft.com
Upwork profile: https://www.upwork.com/companies/~01b5e42d4428efa733

11.1 Quick facts

Founded in: 2005

Specialization: narrow, on multimedia software - video, audio, and text communication, e-learning, internet TV, video surveillance, augmented & virtual reality, computer vision

Key Services: Software Development, Testing, Graphic design, UI/UX planning

Key Skills: Video/Audio Streaming, Recording, Processing Software; WebRTC, JavaScript, FFmpeg, Wowza and other media servers, Node.js, socket.io, .NET, Flash/Flex, Java, Objective C, Swift, PHP, Symfony, Laravel; MS SQL, MySQL, Mongo DB

Platform & device expertise: web, mobile, desktop, smart TV, VR headsets

Employees: 35

Process: Compliant with CMMI level 3

Shareholders: Executive Management

Location: St. Petersburg, Russia

11.2 Some achievements we are proud of

☺ Our **Video Interpretation** software works in 300+ hospitals and traffic police in the USA

☺ Our **Super Power FX** app has got more than 7000 5-star feedbacks in AppStore

☺ Our **Video Surveillance** system is used by more than 240 US companies

☺ Our **BrainCert** eLearning classroom has won 1st prize on DC Tech Day

☺ Our **Webca** video chat is used by more than 1 million people on vk.com

☺ We've been ranked #1 video software developer on Elance of more than 1 million

☺ Our clients trust us and each 2nd client makes repeat orders

☺ We've completed more than 322 full-scale & high-loaded multimedia projects for 10 years

Video Interpretations

Super Power FX

Video Surveillance

BrainCert

Webca

12   References

Some of our long-term clients kindly agreed to provide their contact details as a reference:

"...If you need a programmer, this company is the one! No fear. They do what they say they are going to do."

Mitch Parker, CEO & President,
Video Interpretations Inc.
http://videointerpretations.com/
E-mail: mitch@videointerpretations.com
Project: Video Interpretations

"I have been working with Fora-soft for the last 2 years. Their work is outstanding in every aspect. From designing the technical architecture to programming, they do it all for us and I would never even consider using another company. Our latest feature update to current project has exceeded my expectations once again. Thank you team Fora Soft."

Yasin Rahim, Founder and CEO,
Brain Cert Inc.
www.braincert.com
E-mail: yasin@braincert.com
Project: Brain Cert

Other references:
https://www.upwork.com/companies/~01b5e42d4428efa733

13   Contact Details

To discuss the details of the proposal please contact Sergey Golman:

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