

2DSE ENGINEERING SOFTWARE DEVELOPMENT PROPOSAL

OVERVIEW

2DSE Engineering is pleased to submit this proposal to engineer the next version of Hello Prenup. 2DSE Engineering brings over 60 years' experience at delivering enterprise level, scalable, platform and service solutions to market. We feel our broad engineering skills and extensive background in this industry makes 2DSE Engineering the ideal partner for this project.

The Objective

- Need #1: Engineer a solution that can dynamically scale with the growth of the product.
- Need #2: Improve performance and stability by engineering an enterprise quality solution.
- Need #3: Implement the following new features.

The Solution

- Recommendation #1: Implement a microservice driven architecture cloud hosted solution that scales out with load
- Recommendation #2: Utilize Agile and DevOps best practices to limit defects and ensure consistent performance
- Recommendation #3: Re-architect the storage solution to remove bottlenecks and provide horizontal scaling

OUR PROPOSAL

Hello Prenup LLC has established a first of its kind legal services solution. Compromises were made due to timelines and budget concerns to achieve that first to market goal. With the foothold established the next natural evolution is to improve quality and increase the feature set offered to customers.

We have proven industry experience building *enterprise worthy* solutions in an Agile development framework. Hello Prenup LLC offers self-service legal solutions to its customers. 2DSE Engineering recognizes, considering the market segment, there is a direct correlation between customer experience in the application with trust for the service being provided.

Rationale

- Agile development methods are a well-established best practice for engineering dynamic solutions that can adapt to the needs of modern rapid evolving applications.

- Having implemented numerous scalable cloud-based solutions for companies like AT&T, Microsoft, and Lenovo, we have confirmed through project success that the solution will scale to any level needed for this value proposition
- 2DSE staff aligns perfectly with the needs of this project. As a complete Agile development staff, we provide full stack engineering, cutting edge quality assurance automation and project delivery expertise.

Execution Strategy

Our execution strategy incorporates proven methodologies, extremely qualified personnel, and a highly responsive approach to managing deliverables. Following is a description of our project methods, including how the project will be developed, a proposed timeline of events, and reasons for why we suggest developing the project as described.

Technical/Project Approach

Using agile methodologies our team delivers value in 2-week increments called *sprints*. At the end of each sprint the team will demonstrate the tasks accomplished to the client.

Tasks are broken into two types, Stories and Bugs. Stories are used to guide the development of features and Bugs allow the team to track and fix defects.

Prior to the start of a sprint, the team will meet to plan the activities. Story details will be finalized and assigned to team members.

Each day the team will have a short meeting to discuss progress, ask for assistance, and ensure the sprint is on track.

At the end of each sprint, 2DSE will provide a demonstration of the work completed in the sprint to the client.

2DSE Engineering will utilize several industry standard programming languages and tools including Java, React, MongoDB, and Kafka

Resources

2DSE will leverage the talents of the following engineers.

Wes Hatley – Full stack development and Data Architect

Greg Pedder – Full stack development and Microservice Architect

Terry Woolard – Full stack development and Quality Assurance

Braeden Earp – Full stack development and DevOps Champion

Wes Lathan – Project Management and Solution Architect

Project Deliverables

Following is a complete list of all project deliverables:

Deliverable	Description
Deliverable #1	Database re-design and migration
Deliverable #2	Microservices for managing data flow
Deliverable #3	Administrative API
Deliverable #4	Authentication API
Deliverable #5	File Export Engine
Deliverable #6	Billing Engine
Deliverable #7	Logging Engine
Deliverable #8	User Interface
Deliverable #9	Document Storage

Timeline for Execution

Key project dates are outlined below. Dates are best-guess estimates and are subject to change until a contract is executed.

Description	Start Date	End Date	Duration
Sprint 1 – Data re-design and Microservice Development	2/24/2020	3/6/2020	2 Weeks
Sprint 2 – Billing and Logging Engines. API Development	3/9/2020	3/20/2020	2 Weeks
Sprint 3 – UI Development, and Document Storage	3/23/2020	4/3/2020	2 Weeks
Sprint 4 – Testing, bug fixes and hardening	4/6/2020	4/17/2020	2 Weeks

Supplied Material

The following materials are to be supplied by Hello Prenup LLC for this project. For 2DSE Engineering to meet project milestones, this material must be supplied on schedule. The due dates included in the following table represent our best guess based on current proposed project dates:

Materials to be supplied by Hello Prenup LLC	Due Date*
Comprehensive Feature List	2/24/2020
Detailed Performance Requirements	2/24/202

**We cannot be responsible for cost overruns caused by client's failure to deliver materials by agreed-upon due dates.*

PRICING

The following table details the pricing for delivery of the services outlined in this proposal. This pricing is valid for 30 days from the date of this proposal:

Deliverable	Price
Database Re-Design and Migration	\$12,000
Microservice Development	\$5,000
Administrative API	\$2,750
Authentication API	\$2,750
File Export Engine	\$4,000
Billing Engine	\$10,000
Logging Engine	\$800
Test Framework	\$4,000
User Interface	\$7,000
Document Storage API	\$2,000
Total	\$50,300

Disclaimer: The prices listed in the preceding table are an estimate for the services discussed. This summary is not a warranty of final price. Estimates are subject to change if project specifications are changed or costs for outsourced services change before a contract is executed.

CONCLUSION

We look forward to working with Hello Prenup LLC and supporting your efforts to grow the Hello Prenup customer base. We are confident that we can meet the challenges ahead and stand ready to partner with you in delivering a scalable and reliable solution.

If you have questions on this proposal, feel free to contact Wes Lathan at your convenience by email at wlathan@2dse.com or by phone at (919) 381-2722. We will be in touch with you next week to arrange a follow-up conversation on the proposal.

Thank you for your consideration,

Wes Lathan
Solutions Architect