



**Elegant MicroWeb**  
Delivering the Value of Technology

# Case Study

**Offshore Development for U.S. Health and Wellness Practitioner  
Diagnostic Portal**



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# Case Study

## Offshore Development for U.S. Health and Wellness Practitioner Diagnostic Portal

### The Client

The Client business is dedicated to scientific discovery, unparalleled quality, and health and wellness practitioner partnerships. This foundation has positioned the Client team as an industry leader in functional nutrition. The business develops, manufactures, markets and distributes nutrition and lifestyle supplements and offers nutraceuticals and nutritional supplements for blood sugar support, cardiovascular health, gastrointestinal, immune, joint health, stress management, and detoxification and their products.

### The Objective

The Client wishes to track patient health and wellness goals, working in concert with partner practitioners and to deliver nutritional solutions to meet end-user client goals. The Client wished to design and develop a solution and maintain and upgrade that solution as necessary in order to establish and sustain partner relationships and advance end-user client goals while adding value to the relationships at every level.

### The Solution

The Elegant MicroWeb team collaborated with the Client team to define detailed requirements and to design, develop and implement solutions for a seamless rollout of new features and functionality.

The Elegant MicroWeb team coordinated its project and support approach to:

- Involve and coordinate with stakeholders for requirements and release planning
- Involve and coordinate with key product team members to plan for testing
- Involve and coordinate with Client team to plan for internal and production releases
- Ensure network, hardware, and technology compatibility and performance
- Define and implement quality and support processes to accommodate upgrades and ongoing maintenance
- Develop and deploy an appropriate training program for users

The development scope of this project included:

- **Super Administration Interface**
  - Manage Assessments
  - Assessment creation in SurveyJS and integrate Json in portal



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- **Practitioner Interface**
  - SSO integration with existing system
  - Sign TOU and upload NPP on first time login
  - Manage end-user clients
  - **Assessment Module**
    - Send, retake and resend questionnaires in email or using QR code
    - Schedule assessments
    - More than 30 complex assessments for health and nutrition with graphical view for analysis
  - **Weight Management Programs Integration**
    - Create and resend plans
    - Generate reports
  - Reminder and progress notifications
- **End-User Client Interface**
  - Sign consent forms NPP, TOU and HIPPA
  - Response to questionnaires
  - Log weight
  - Reminder and progress notifications
- **Support & Maintenance**
- **Training**

### The Technology

- Front-end: Angular
- Backend API:
  - Java
  - Spring Boot
  - RabbitMQ Queue
  - Hazelcast Cache
- Database: MongoDB & MySQL
- Deployment: AWS Cloud
- Automated Testing: Sonar Qube

### Elegant MicroWeb Role

The Elegant MicroWeb team provided support, knowledge and skill in the following areas and activities:

- Document detailed requirements and roadmap planning in close consultation with all stakeholders
- Technical feasibility
- Automated testing using Sonar Qube
- Graphics, layout and user experience design
- Architecture, development, maintenance and support
- Continuous enhancement, upgrade and roll out
- Deployment on AWS Server



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- Training and support to business users
- Offshore development with dedicated offshore resources to work full time on Client project and coordinate with Client team to further define the long-range roadmap, accommodate changes, customizations and more\*

*\* Following initial project completion, the Client engaged Elegant MicroWeb for comprehensive offshore development utilizing assigned resources to maintain, support and expand services and user base with scalable services to support the growth of the business.*

### Conclusion

The Elegant MicroWeb worked closely with the Client team to define the requirements and execute the project. This project resulted in close engagement through a practitioner portal with impressive user adoption by the target audience. The user-friendly solution met all Client objectives and Client and end-user satisfaction with the solution resulted in the engagement of the Elegant MicroWeb full suite of offshore development services with dedicated resources to support the Client, its partners and end-users and to manage, maintain, enhance and scale the system so the Client can sustain and succeed in the market.



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### Contact Us

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