

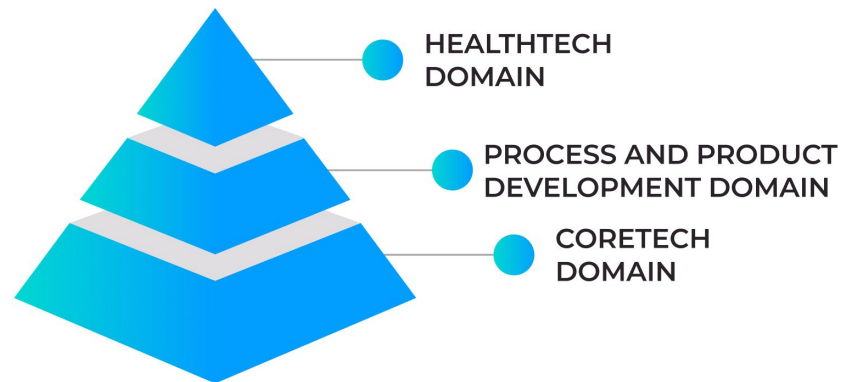
Product Discovery

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About Vicert

We combine the excellence in software development with decades of experience in health tech to forge the solutions that generate the most value for our clients.



Vicert is a professional services company specialized in creating digital healthcare solutions. Our focus is on offering custom software development services to healthcare providers, payers, and organizations embarking on their own digital health products. Our unique mission sets us apart – we strive to develop healthcare software that makes a real difference in the world. We leverage both our **software development expertise** and our **extensive background in health tech** to produce solutions that **deliver maximum value**.

With over 20 years of experience and 300 projects under our belt, we excel at crafting revolutionary digital health solutions. Our team is equipped not only with technical expertise, but also with industry-specific knowledge, and we approach challenges using Agile Scrum methodologies. Our service spectrum encompasses diverse areas such as patient engagement platforms, health cloud solutions, and EHR integrations, as well as device integrations – all finely tuned to meet the dynamic needs of the healthcare sector.

Embracing a flexible 'product development' model, we take pride in guiding you through every phase of the journey – from initial design and development, all the way to rigorous testing and seamless deployment. Our commitment lies in tailoring exceptional solutions that align with your unique needs.

About Product Discovery

We have designed the Product Discovery framework to help our clients navigate the intricate landscape of healthcare software implementation by providing a strategic roadmap that addresses regulatory complexities, project scope uncertainties, user-centric design needs, integration obstacles, budgetary constraints, and data security considerations.

Navigating Healthcare Software Challenges with Product Discovery

The Product Discovery service offered by Vicert is a comprehensive solution tailored for clients in the digital healthcare domain. It addresses critical challenges faced by healthcare organizations when implementing software solutions. In an industry marked by complex regulations, unclear project scopes, limited user understanding, integration hurdles, budget constraints, and data security concerns, the Product Discovery acts as a strategic guide.

Through collaborative workshops and expert insights, it defines clear project goals, scoping, and requirements, fostering a shared understanding among stakeholders. By closely involving end-users, it designs solutions that cater to the specific needs of healthcare professionals and patients, ensuring the creation of intuitive and effective digital healthcare products. Furthermore, during the Product Discovery we will proactively identify potential risks, optimize resource allocation, and assure compliance and security from the outset. Ultimately, the Product Discovery empowers healthcare organizations to make informed decisions, leading to successful and impactful software development projects.

Challenges Addressed by Product Discovery

Healthcare organizations grapple with a complex maze of challenges during software implementation. Complex regulatory landscapes often lead to compliance difficulties and costly issues. Unclear project scopes and requirements contribute to confusion and delays. The limited understanding of user needs hampers the creation of user-centric solutions. Integrating new digital solutions with existing systems poses significant difficulties, while budget and timeline constraints can jeopardize project success. Data security and privacy concerns, alongside the need for scalability and future growth, create a demanding environment. Vicert's Product Discovery service strategically addresses these issues, ensuring a well-defined, compliant, and scalable solution that facilitates confident decision-making and successful healthcare software development.

Remote Patient Monitoring



Product Discovery for Remote Patient Monitoring Solutions

Product Discovery provides a holistic approach to tackle the challenges faced when implementing a remote patient monitoring solution.

It sets the foundation for a well-defined, user-centric, and compliant solution that optimizes healthcare delivery and improves patient outcomes in a remote monitoring environment.

Here are some of the most common challenges that we tackle during the Product Discovery for a RPM solution.

Technology Integration

Product Discovery involves a thorough analysis of your existing healthcare systems and infrastructure. By understanding the current technology landscape, we can identify potential integration points and devise a solution that seamlessly integrates the remote patient monitoring solution with your existing systems and EHR.

User Adoption and Engagement

In Product Discovery, we involve key stakeholders, including patients and healthcare providers, to understand their needs and preferences. By incorporating user feedback and designing user-friendly interfaces, we enhance user adoption and engagement with the remote patient monitoring solution.

Data Security and Privacy

We prioritize data security and privacy from the outset in Product Discovery. By conducting a comprehensive risk assessment and incorporating robust security measures, we ensure that the remote patient monitoring solution complies with healthcare regulations, protecting patient data from unauthorized access and breaches.

Training and Support

Product Discovery allows us to identify training needs and potential challenges in advance. We can develop comprehensive training materials and support resources to ensure that healthcare providers and staff are well-prepared to use the solution effectively.

Device Compatibility and Connectivity

During Product Discovery workshops, we can collaborate with your team to assess different monitoring devices and wearables available in the market. We focus on selecting user-friendly and reliable devices that are compatible with the chosen solution, ensuring smooth data transmission and connectivity.

Remote Patient Monitoring

Regulatory Compliance

We are well-versed in healthcare regulations, and Product Discovery ensures that compliance considerations are built into the solution architecture and processes. This proactive approach helps you meet regulatory requirements and adhere to industry standards.

Scalability and Infrastructure

Product Discovery takes into account scalability requirements. We plan for future growth and ensure that the chosen infrastructure can accommodate the increasing number of monitored patients.

Data Management and Analysis

In Product Discovery, we define data management and analytics strategies. By selecting appropriate analytics tools and defining data handling processes, we ensure that patient-generated data is effectively managed and turned into valuable insights.

Provider Workflow Integration

In Product Discovery, we work closely with healthcare providers to understand their workflows and integrate the remote patient monitoring solution seamlessly. This minimizes disruptions and ensures smooth adoption by the healthcare team.

Financial Sustainability

Through accurate cost estimates and implementation scenarios provided in Product Discovery, you can assess the financial viability of the remote patient monitoring solution and make informed decisions about its sustainability.

Health Inequality and Access

Product Discovery considers accessibility and potential disparities in access to the remote patient monitoring solution. We design the solution with equity in mind, striving to ensure that all patient populations can benefit from the technology.

Remote Patient Monitoring

Data Interop Based On FHIR



Data Interop Solutions Based On FHIR Standard: The Role of Product Discovery

By engaging in Product Discovery, you can address the complex challenges of FHIR technology proactively, leading to a well-defined and successful implementation of a data interoperability solution based on the FHIR standard.

The result is improved data exchange, enhanced healthcare coordination, and better patient care across different systems and healthcare providers.

Here's how Product Discovery can provide solutions to these common challenges.

Understanding Current Infrastructure

During Product Discovery workshops, we assess your current healthcare systems and data architecture. Understanding your existing infrastructure allows us to identify potential points of integration and data exchange, ensuring a smooth transition to FHIR-based interoperability.

Ensuring Compliance

FHIR implementations must adhere to privacy and security regulations. Product Discovery focuses on addressing compliance considerations from the outset, ensuring that your data interoperability solution aligns with industry standards and regulatory requirements.

Navigating FHIR Complexity

FHIR can be complex, especially for organizations new to the standard. In Product Discovery, we leverage our expertise in FHIR to simplify the technical aspects and guide you through the intricacies of adopting FHIR for data interoperability.

Vendor Selection and Evaluation

Product Discovery assists you in evaluating different FHIR-based solutions offered by vendors. We analyze their capabilities, support, and compatibility with your organization's needs, helping you choose the most suitable vendor for your interoperability project.

Mapping Data Elements

FHIR requires data elements to be mapped to specific resources and profiles. Product Discovery involves a thorough data mapping process, ensuring that your data aligns with FHIR standards and can be effectively exchanged with other systems.

Testing and Validation

Interoperability solutions require rigorous testing and validation. In Product Discovery, we outline a comprehensive testing strategy to ensure that your FHIR-based system functions correctly and reliably when exchanging data with other healthcare systems.

Data Interop Based On FHIR

User Education and Training

Implementing a new data interoperability solution involves training your staff and users. Product Discovery helps you identify training needs and develop educational resources to empower your team with the knowledge and skills to use the FHIR-based system effectively.

Future Scalability and Growth

FHIR-based interoperability should accommodate future growth and expansion. In Product Discovery, we plan for scalability, ensuring that your solution can handle increasing data volumes and support additional data exchange partners.

Data Governance and Consistency

Product Discovery includes defining data governance processes and ensuring data consistency throughout the interoperability solution. This helps maintain data integrity and reliability when exchanging information with other systems.

Post-Implementation Support

Product Discovery includes post-implementation support planning. We ensure that you have the necessary support resources and maintenance plans in place to address any issues that may arise after the initial deployment.

Handling Data Volumes

Large volumes of data can pose challenges in FHIR-based interoperability. Product Discovery involves assessing your data volume requirements and devising strategies to manage and exchange data efficiently.

Data Interop Based On FHIR

EHR Integrations



Product Discovery For The EHR Integrations

Product Discovery can be instrumental in helping you to overcome the challenges faced when trying to connect to the Electronic Health Record (EHR).

This approach ensures a well-defined, secure, and compliant integration process, leading to improved data sharing, streamlined workflows, and enhanced patient care through seamless connectivity with the EHR system.

Here is what you should consider during Product Discovery for EHR integrations.

Understanding EHR Integration Requirements

During Product Discovery, we work closely with your team to understand the specific requirements and capabilities of your EHR system. This ensures that we have a clear understanding of the integration points and data exchange mechanisms needed to connect to the EHR.

EHR Interoperability Standards

EHR systems typically follow industry interoperability standards like HL7. In Product Discovery, we leverage our expertise in these standards to ensure smooth data exchange and adherence to EHR interoperability requirements.

Navigating EHR Vendor Variability

Different EHR vendors may have varying integration interfaces and protocols. Product Discovery involves researching and understanding the specific APIs and standards supported by your EHR vendor, enabling seamless integration with their system.

Data Privacy and Security

Product Discovery prioritizes data privacy and security when connecting to the EHR. We design robust security measures and authentication protocols to protect patient data during the integration process.

Data Mapping and Transformation

Product Discovery includes a thorough data mapping process to align your data formats with the required data structures of the EHR system. We ensure that your data is appropriately transformed and mapped to the EHR's data model.

Vendor Coordination

If your EHR system is provided by a third-party vendor, Product Discovery involves coordinating with the vendor to ensure they provide the necessary support and resources for a successful integration.

Testing and Validation

We devise a comprehensive testing strategy during Product Discovery to verify the seamless integration with the EHR. Rigorous testing helps identify and resolve any issues before full-scale implementation.

Post-Integration Support

Product Discovery includes post-implementation support planning to ensure that you have the necessary resources and maintenance plans in place to address any issues that may arise after connecting to the EHR.

User Training and Adoption

Connecting to the EHR may require training for your staff to effectively use the integrated system. Product Discovery helps identify training needs and develop educational resources to facilitate user adoption.

Scalability and Future Growth

Product Discovery plans for future scalability, ensuring that the integration solution can handle increased data volumes and support future expansions of your healthcare services.

Software Cures The World

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