



# Architecture Review

The architecture of your cross-platform web applications is critical. Outdated or suboptimal architecture can lead to performance bottlenecks, scalability challenges, and increased maintenance costs. Without a thorough architectural assessment, it's challenging to identify these issues and plan for improvements.

Celestial Systems help you create robust and future-ready enterprise applications. Our expert architects and consultants will work closely with you to assess, plan, and enhance your application's architecture, ensuring it aligns perfectly with your business goals.

## Service Overview

With Celestial Systems [Architecture Review](#) offerings, you can prepare your team to create, create, and deploy complex and exceptional web applications.

Throughout this collaboration, our experienced team will walk you through the latest advancements and trends in web architectures and application development using contemporary browsers, HTML5, CSS3, and Sencha technologies.

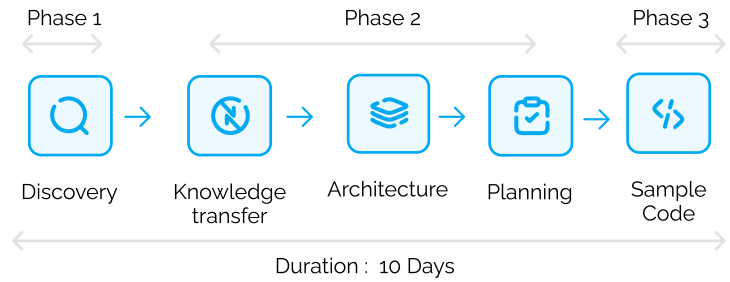
## Project Schedule

### Phase 1 – Discovery (Days 1–3)

**Goal:** Gain a deep understanding of the desired application's scope and functionality.

Key Tasks:

- Collaborate to define the application's use case, addressing its purpose and problem-solving capabilities.
- Evaluate the current or desired application architecture.
- Establish data validation requirements.
- Identify target platforms and compatible browsers.
- Analyze the existing front-end technology used in the application.
- Discuss crucial elements such as grids, real-time data updates, and data persistence.
- Examine existing and desired back-end services.



### Phase 2 – Knowledge Transfer, Architecture, and Planning (Days 4 & 5)

**Goal:** Lay the groundwork for creating an enterprise-level application with a well-thought-out plan.

Key Tasks:

- Lead the development team through an exploration of HTML5, CSS3, and Sencha frameworks and tools in the context of the application's requirements.
- Identify areas where functionality may require enhancement or integration with native capabilities.
- Share architectural and coding standards, emphasizing performance optimization and user experience.
- Disseminate best practices for team development, unit testing, and source code control integration.
- Discuss prevalent tooling and testing methodologies.
- Delve into UI and UX considerations for cross-platform web applications.
- Explore strategies for code reuse, packaging, deployment, and long-term maintenance.

### Phase 3 – Proof of Concept and/or Sample Code (Days 6–10)

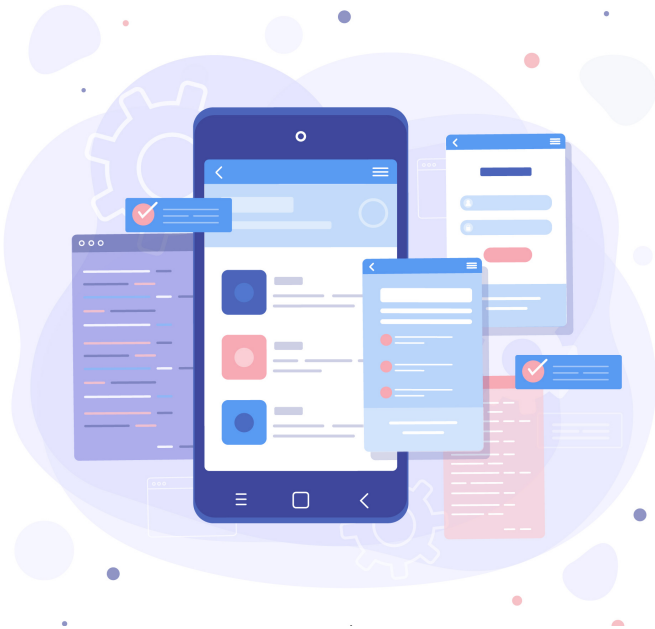
**Goal:** Ensure the project's success through code examples, best practices, and advanced topics.

Key Tasks:

- Document architectural details to provide clarity and guidance.
- Assist the team in creating project layouts that align with best practices
- Explore and demonstrate theming and other advanced concepts.



- Consider custom proxies to interface with legacy or non-standard web back-end systems.
- Develop industry-specific custom components to enhance application functionality.



## Custom Services

### **Custom Engagements**

Whether you require specialized web application design, development, or deployment, we collaborate closely with your team to deliver solutions aligned with your goals. Our expertise includes developing proof of concepts, design services, custom component creation, and more. With Custom Engagements, you get precisely what you need to drive your enterprise applications forward.

### **Staff Augmentation**

When you need additional expertise for web application development, our Staff Augmentation service seamlessly integrates. We offer a resident engineer program to establish web application architecture standards and provide support. Whether on-site or remote, we ensure you have the right talent at the right time to achieve your web application goals.



## About Celestial Systems Solutions

From architecture assessment to cutting-edge application development, explore a comprehensive range of innovative solutions designed to transform your business. Visit us at [www.celestialsys.com](http://www.celestialsys.com).

### **About Celestial Systems**

Celestial Systems is a distinguished authority in architectural excellence. With 20+ years of experience, we're recognized experts in architecture assessment and refinement. The company acknowledges that one size does not fit all and meticulously tailors its Architecture Review Services to meet each organization's specific needs, ensuring that architectural decisions are aligned with and expedite business growth.

Celestial Systems approach bridges the gap between cutting-edge technology trends and tangible real-world impact, resulting in solutions that seamlessly blend innovation with practicality. The architecture solutions offered by Celestial Systems enhance operational efficiency, strengthen agility, and elevate the overall customer experience. With Celestial Systems, technology becomes your most potent strategic asset.