

**Codigee**  
Complete Application Migration Checklist  
and ROI Calculator

## First, why migrate with Codigee?

	Your Current Investment	What Codigee Offers
<b>Budget</b>	Flexible, depends on bug occurrences (e.g., \$3,000)	Stable and fixed budget for 2-year contract. <b>(Match your current spend)</b>
<b>What's included in the budget?</b>	Maintenance, bug fixing current app	Maintenance, bug fixing + rewritten app in a few months, with 2-year guarantee
<b>New features</b>	Extra costs due to technical debt	No technical debt, making features faster and cheaper to release
<b>App Performance</b>	Unstable, old technology	Stable, fast-working, optimized performance
<b>User Satisfaction</b>	Unstable app, dissatisfied users	Refreshed design, improved UX, smooth performance, happier users

### Why migrate?

Many clients overspend on maintenance and feature development, particularly when using outdated technology. At Codigee, we streamline this process by rewriting your app with modern, cost-efficient tools. This results in improved performance, higher user satisfaction, and long-term savings, all while keeping your budget the same. **We'll handle everything at your current cost, minimizing risk for you.**

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# 1. Introduction

Application migration is a process that can bring significant benefits to any company. These include improved performance, reduced costs, and easier deployment of new features. In this document, we will outline the key stages of migration and application optimization, helping your company achieve long-term savings and enhanced efficiency.

## Benefits of Application Migration

- **Lower maintenance costs:** Older technologies often generate higher expenses. Migrating to modern solutions can significantly reduce these ongoing costs.
- **Faster deployment of new features:** Modern technologies enable quicker, easier, and more affordable integration of additional functionalities..
- **Improved performance and stability:** Migration usually results in faster application performance, fewer errors, and increased system stability.

## Stages of Migration:

1. **Current application assessment:** Identifying weak points and areas for optimization. This stage also includes exploring opportunities for cost savings by potentially changing the team and becoming independent of expensive paid systems.
2. **Migration planning:** Developing a detailed timeline and determining the resources required for the project, ensuring smooth execution with minimal disruptions.
3. **Rewriting and optimization:** Migrating code to modern frameworks and technologies, such as Flutter, to improve performance and reduce future development costs.
4. **Testing and deployment:** Conducting automated tests and quality assurance before deploying the application in its new environment to ensure flawless performance.

**Summary:** Application migration is an investment that can pay off sooner than expected. Adopting modern technological solutions paves the way for more efficient operations, reduced costs, and an improved user experience. Additionally, migration offers the opportunity to lower costs by optimizing team structures and moving away from expensive, paid systems.



## 2. Return on Investment (ROI) Calculation

### INPUT DATA:

- Current monthly maintenance costs: **\$3000**
- Estimated maintenance/development costs for the next year: **\$50 000**
- Main issues and planned future features for the app:
  - *Application loading speed.*
  - *Payment process.*
  - *User experience (UX)*

Category	Before Migration	Migracja	Key Benefit
<b>Monthly maintenance cost</b>	\$3000	+\$1000	Higher stability, full warranty, no additional repair costs
<b>Estimated yearly maintenance and development costs</b>	\$50 000	-\$2000	2-year protection, optimized actions, development support
<b>Value for you</b>	Improving current app version	New version + fixed costs	Modern, faster, and more efficient app version
<b>Average new feature costs</b>	\$2000	-\$1000	50% savings on each feature
<b>Feature deployment time</b>	6-8 weeks	3-4 weeks	50% faster deployment
<b>Repair costs</b>	Extra paid hours if maintenance package is extended	\$0 (covered by warranty)	All repairs are free for 2 years
<b>App Performance</b>	Performance issues	Optimal, smooth performance	Increased stability and app speed
<b>User Satisfaction</b>	Average rating 3.5/5	Average rating 4.5/5	Better user reviews, higher retention



## Migration Cost:

For a fixed additional monthly fee of \$1,000 over 2 years (totaling \$24,000), the client gains **much more than just app maintenance**.

### What you get:

- **A new app and refreshed design:** Within a few months, you will receive a modern app with improved UX, significantly enhancing user comfort.
- **Fixed costs and warranty:** The costs are predictable and won't increase over the 2 years. You will also get a full warranty for the app's functionality. We handle all repairs at no extra charge, and our response time is fast and efficient.
- **Better performance and higher conversions:** Your app will run faster and more stably, resulting in better user ratings, higher conversions, and ultimately greater customer satisfaction.
- **Lower costs and faster development:** New features will be cheaper to implement (cost reduced by 50%), and the development time will be halved.

### Conclusion:

For just \$1,000 per month, you not only get technical support, but you're **investing in the future of your application** – modern, stable, faster, and better suited to user needs.



### 3. Migration Preparation Checklist

Application migration is a process that requires thorough planning and preparation. The key to success lies in a detailed analysis of the current application, understanding both business and technical requirements, and creating a well-structured project timeline. In this section, we present a step-by-step migration preparation checklist. We focus on the critical aspects that need to be considered before starting the migration process to ensure a smooth transition and maximum benefits from the migration.

#### Current Application Assessment

1. Has a complete analysis of the current application's functionality been conducted?

**Full analysis of the application's functionality:**

- **Login and registration:**
  - **Login methods: email, Facebook, Google, Apple ID**
- **Main modules:**
  - **Dashboard with news feed**
  - **Navigation bar**
  - **Cart display**
  - **Product display**
  - **Product page**
  - **Payment system**
- **Additional features:**
  - **Product search**
  - **Rating and review system**
  - **Push notifications**
  - **Multi-language support**

**Example analysis:**

A full analysis of the current application's functionality has been conducted. Key modules were identified, such as the login and registration system with social media integration, core e-commerce functions (cart, payments, product display), and additional user interaction elements, including reviews and push notifications.



## 2. What are the main technical limitations of the current application?

### **Main technical limitations of the current application:**

- **The application's performance decreases with a high number of concurrent users.**
- **Lack of responsiveness on various mobile devices.**
- **Difficulty in integrating with new technologies and services.**
- **Limited scalability of the infrastructure.**

### **Example analysis:**

The application experiences performance issues during peak usage times, leading to long page load times. The lack of responsive design makes it challenging to use across different devices. The current architecture hinders integration with modern services, such as mobile payment systems or analytics tools.

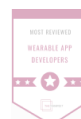
## 3. Have areas requiring immediate optimization been identified?

### **Areas requiring immediate optimization:**

- **Application load speed:**
  - **Optimization of code and multimedia resources.**
- **Payment process:**
  - **Simplifying the steps needed to complete a purchase.**
- **User experience (UX):**
  - **Improving navigation intuitiveness.**
  - **Updating the user interface (UI).**

### **Example analysis:**

Product images and JavaScript scripts need to be optimized to speed up page loading. The payment process consists of 5 steps, and the goal is to reduce it to 3 steps to increase conversion rates. Updating the design to align with the latest UX/UI trends will improve user satisfaction.



#### 4. Are there critical errors affecting the user experience?

##### **Critical errors affecting the user experience:**

- **The application crashes during the payment process.**
- **Incorrect product display in the cart.**
- **Issues with the search function.**

##### **Example analysis:**

Users report that the application often crashes during the payment process, preventing purchases from being completed. Sometimes, unselected products appear in the cart, and the search function does not return results for common queries.

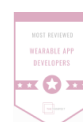
#### 5. What technologies and frameworks are currently being used?

##### **Technologies and frameworks currently in use:**

- **Frontend: AngularJS 1.6**
- **Backend: PHP 5.6**
- **Database: MySQL 5.7**
- **Payment system: PayPal SDK integration**
- **Hosting: Dedicated server without automatic scaling capabilities**

##### **Example analysis:**

The application is built on outdated technologies that are no longer supported. This causes security issues and makes it difficult to implement new features. The lack of automatic server scaling impacts the application's performance during high traffic periods.





## 6. What are the main business goals of migration?

### **Main business goals of migration:**

- **Improving the performance and stability of the application.**
- **Increasing user satisfaction and retention.**
- **Enabling faster deployment of new features.**
- **Reducing maintenance and development costs in the long term.**

### **Example answer:**

The migration aims to reduce application load times by 50%, which should lead to a 15% increase in conversion rates. We also want to introduce new features every two weeks instead of every two months to respond quickly to market needs.

## 7. OTHER:

### a. [OPTIONAL] What success metrics will be used to evaluate the effectiveness of the migration?

Example: Monitoring application load times and aiming to reduce them to under 2 seconds.

### b. [OPTIONAL] Are all stakeholders aligned on migration goals?

Example: Does the sales team and IT department share the same understanding of project priorities?

### c. [OPTIONAL] Have short- and long-term benefits been defined?

Example: Short-term: reducing maintenance costs by 15%. Long-term: increasing market share by 10%.

## Planning Phase

### Identifying Necessary Resources (Backend, Frontend):

#### ● **What technologies will be used in the new version of the application (e.g., Flutter for frontend)?**

Example: Choosing Flutter enables simultaneous development for iOS and Android, which reduces development time.

#### ● **What tools and platforms will be required to execute the migration?**

Example: Using Firebase as the backend for managing authentication and real-time databases.

#### ● **Does the server infrastructure require updates or changes?**

Example: Moving from local servers to cloud solutions like AWS or Google Cloud to ensure better scalability.

## Establishing Timelines and Milestones:

- **Has a detailed project plan been created with clearly defined stages, priorities for functionality, and milestones?**  
Example: Stage 1: Migrating core functions to Flutter within the first 2 months. Stage 2: Testing and optimization for the following month.
- **What are the key milestones and their deadlines?**  
Example: First beta version of the application available for testers by the end of the quarter.
- **Is there a communication and progress reporting plan?**  
Example: Weekly email reports to all stakeholders and monthly summary meetings.

## Execution Phase

**Migration Steps (Rewriting Code, Integrations):** Codigee takes full responsibility for this stage. A detailed migration plan will be presented after completing the assessment and planning phases.

**Testing Procedures:** Codigee is fully responsible for testing the application. A detailed testing plan will be presented after the planning phase is completed.

## Post-Migration

**Performance Monitoring:** Codigee is fully responsible for performance monitoring after the migration. A monitoring plan will be provided once the migration is completed.

### Collecting User Feedback:

- Have users been informed about the changes in the application?  
Example: Sending a newsletter and in-app notifications informing users about new features and improvements.
- What communication channels are available for users to provide feedback?  
Example: Live chat in the app and a dedicated support email address.
- Are there in-app mechanisms that allow easy feedback submission?  
Example: Implementing a "Shake to Feedback" feature, where shaking the device opens a feedback form.
- How will collected feedback be analyzed and used?  
Example: Regular product team meetings to review the most common feedback and prioritize fixes.
- Are regular updates planned based on user feedback?  
Example: Monthly app updates including fixes and new features requested by the user community.



## Additional Checklist Questions

### Security:

- Does the new solution meet all current security standards?
- Have penetration tests and security audits been conducted?
- How are user data stored and protected?

### Compliance:

- Is the application compliant with current legal regulations (e.g., GDPR)?
- Are all technology licenses up-to-date and legally valid?

### Change Management:

- Is there a need to train staff and users on how to use the new application?
- Is there a communication plan for changes to all stakeholders?
- How will potential resistance to change be handled?

### Data Migration:

- Is the data migration plan developed and tested?
- Which data will be migrated, and which will be archived or deleted?
- How will data integrity and security be ensured during migration?



## 4. Summary

### Key Takeaways

Migrating an application to modern technologies, such as Flutter, is an investment that quickly pays off, offering several advantages:

- **Lower maintenance costs:** Older technologies generate higher maintenance costs, while migration enables significant long-term savings.
- **Faster and cheaper feature deployment:** Migration allows for more efficient application development, reducing the cost of implementing new features and shortening the time needed to deploy them.
- **Improved performance and stability:** A modernized application runs faster, experiences fewer bugs, and provides a better user experience.
- **Full warranty on bug fixes:** If any issues arise, all repairs are included in the fixed costs, ensuring application stability throughout the entire collaboration period.

### Next Steps

To continue, please follow these steps:

1. **Enter your email address** on our website to download the prepared Google Sheets template. This template will help you estimate migration costs and ROI, and adjust the data to match your specific needs.
2. **Download the template** and input your current data to visualize potential savings.
3. **Schedule a meeting** with us via the form on our website. During the meeting, we will discuss the migration strategy, action plan, timeline, and all key deadlines. Link to the form: [www.codigee.com/#lets-talk](http://www.codigee.com/#lets-talk)

By following this approach, you will gain a clear understanding of how migration will impact your application and business, and how we can work together to create the best solution for you.

# BOOK A MEETING