



**Industry:** Hospitality & Leisure

**Technology:** Cake PHP, Java, Web API

**Country:** South Africa

## Client Profile:

The Beekman Group is South Africa's leading corporate player in the development of the property and leisure industry. For the last 50 years, the company is helping clients with concept innovation, strategic business planning, and implementation within all aspects of their business operations. Currently, the Beekman Group is managing 30+ vacation destinations in 5 different countries and a member base of more than 80000.

## Challenges:

The agents and executives of Beekman Group were facing hardships in managing their property with the web application. They are struggling to get the information on application which was there in their backend system. Hence, The Beekman Group contacted us with a demand to revamp their web application and an Android-based tablet application for managing their properties. Experts at KCS analyzed the client's existing web application and requirements and found below-listed challenges in their system:

- The web application for managing Beekman Group's property was developed using old and outdated technologies
- The older system had several unsolved bugs and errors which resulted in the crashing of the application
- During our system analysis phase, our experts found that there was no correlation between the application and the database
- Since the database of the older system was developed using the old technology, web application took a significant amount of time in retrieving the data from the database
- As the older system was developed using outdated technology, the overall performance and speed of the web application was also slow
- The older system lacked several features that are founded in modern property management systems

## Solution

Our experts examined Beekman Group's older system and its challenges, requirements thoroughly and proposed the below-listed solutions to the client:

- Using the latest CakePHP framework, developers at KCS build a powerful web-based property management application
- With the help of the CakePHP framework, our developers were able to build a web application with zero errors and bugs
- In our solution, we also added cutting-edge features that simplified the property management tasks for Beekman Group's agents and executives
- During the redevelopment process using the CakePHP framework, we assured both web application and database are co-related with each other
- Our developers build a web application in a way that it is flexible with devices of all sizes and shapes
- Furthermore, our developers used the latest Java programming language for building the tablet application
- We also used Web API for increasing the security and overall performance of the tablet application

## KCS Approach

Using the powerful technologies and industry's best methods, developers at KCS revamped the web application and developed an intuitive tablet application for the Beekman Group. The CakePHP framework helped us to develop an error-free web-based property management system. We also assured the authorized users have access to the information and data they need. For developing the tablet application, we used Java programming language and Web API technologies. These technologies helped us in making a robust property management application for the Beekman Group.

## Impact:

The redevelopment of web application showed a lot of positive results in the Beekman Group's business. The agents and executives are now able to manage all the properties of Beekman Group using both the web and tablet application. With the "offline mode" agents can easily operate the system even without an internet connection. Even though the tablet application is deployed over the internet, the Beekman Group is updating it regularly in order to give users a world-class property management experience.

## Tech Stack



+91 792 657 9333

info@kcsitglobal.com

www.kcsitglobal.com

## Global Offices



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