

# SmartCity White Label Platform

- [Overview](#)
- [Information Module](#)
- [Ticketing Module](#)
- [Admin panel](#)
- [E-magazine](#)
- [Push Notifications](#)

# Overview

Overall, the Smart City application serves as a comprehensive tool for residents and tourists alike, providing them with valuable information and services to navigate and explore the city effectively. By centralizing transportation, tourism, events, and practical information, the app aims to enhance the overall experience of individuals and contribute to the city's development as a modern and connected urban hub.

One of the primary features of the Smart City app is its ticketing module which enables users to purchase tickets directly through the app. Smart City integrates with local transportation providers and ticketing systems to offer a seamless ticketing experience. Users can browse available ticket options for buses, trains, subways, trams, and other modes of transportation within the app. The Buy Ticket feature displays the availability of tickets and provides information on ticket types, pricing, and any applicable discounts or promotions.

Users can select their desired ticket and complete the purchase process directly within the Smart City app. The app typically supports various payment methods, including blik, credit/debit cards or mobile payment platforms, making it convenient for users to buy tickets on the go.



Once the ticket purchase is confirmed ticket is ready for activation in the application. This eliminates the need for physical tickets and allows users to present their digital tickets to transportation staff for validation. Validity of the digital tickets can be verified by scanning the provided barcode or QR code directly from the app.

The app provides real-time updates on ticket usage, remaining validity, or any changes in transportation services. Users receive notifications or alerts about service disruptions, delays or changes, ensuring they are well-informed during their journey.

Smart City collaborates with local transportation authorities and ticketing providers to ensure accurate and up-to-date ticketing information. The Buy Ticket feature leverages partnerships with these providers to offer a wide range of ticket options and maintain the accuracy of ticket prices and availability.

The Smart City Buy Ticket feature streamlines the ticketing process for users, providing a convenient and centralized platform for purchasing tickets for various modes of transportation. It enhances the overall travel experience by eliminating the need to switch between multiple apps or websites to buy tickets, making it easier for users to navigate and explore cities using public transportation.

Our app provides variety of tools that allow to pass information to the users. Places module of the app offers a wealth of information about city's attractions, landmarks, and historical sites. Users can explore detailed descriptions, photos, and discover interesting places to visit. Furthermore, the Smart City app keeps users updated about upcoming events, including concerts, exhibitions, festivals, and sports matches. This feature ensures that residents and visitors never miss out on the vibrant cultural and entertainment scene in the city.

Smart City is a mobile application that aims to simplify and enhance the experience of using bus transportation services. The app provides a convenient and efficient way for users to purchase tickets, and access various features related to travel and the city. Overall, Smart City aims to streamline the bus travel experience by providing users with a user-friendly interface, convenient ticketing options, real-time information, and digital ticket storage. By leveraging technology, the app seeks to make bus travel more accessible, efficient, and enjoyable for users.

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# Information Module

## Information module

The information module for cities is a feature-rich application module that enables cities to add and display important information for their residents and visitors. This module acts as a centralized platform where cities can provide up-to-date information on various aspects such as services, facilities, events, announcements, and more.

Overall, the information module for cities serves as a vital component of a city's application ecosystem, empowering cities to effectively communicate with their residents and visitors. By providing a centralized platform for important information, cities can enhance accessibility, improve the user experience, and ensure that users have access to accurate and timely information about various aspects of the city.

## News

The news module allows city administrators or authorized personnel to input and manage a wide range of information posts. These posts may include information about transportation, public services, healthcare, government, recreational activities, and other relevant information specific to the city.

## Events

The information module provides an intuitive user interface for residents and visitors to access the information conveniently. Users can browse and search for specific information about events view detailed descriptions, time and date of the event. Such feature enhances the user experience by offering a comprehensive and seamless platform for accessing various city-related information.

The events module in an application serves as a powerful tool for cities to stay connected with their residents. It acts as a central hub where cities can share information about upcoming events, engage with the community, and foster a sense of belonging and cultural vibrancy. The module allows cities to promote a wide range of events happening within the city, including cultural festivals, concerts, parades, sports tournaments, community gatherings, and more. By showcasing these events, cities can create excitement and generate buzz among residents, encouraging them to actively participate and explore what the city has to offer. The events module provides an opportunity for cities to highlight and support local talent, artists, performers, and businesses. By featuring events that showcase local creativity, culture, and entrepreneurship, cities can foster a sense of pride and support for their local community, driving economic growth and promoting local talent.

By leveraging the events module, cities can establish a direct line of communication with residents, create a sense of community, and nurture a vibrant and engaged population. It promotes civic pride, encourages participation in local events, and enhances the overall quality of life for residents.

## **Places**

The places module in a Smart City app provides valuable information and features that help tourists explore and discover sightseeing destinations within a city or region. This module serves as a comprehensive guide for tourists, offering details about various places of interest, attractions, landmarks, and cultural or historical sites. The module presents a list of popular and noteworthy places within the city or region. These listings can include a diverse range of attractions, such as museums, parks, monuments, historical sites, architectural landmarks, scenic viewpoints, and more. Each place listing provides comprehensive information about the location, including a description, address, contact details, opening hours, entry fees (if applicable), and any additional relevant information that helps tourists plan their visit. The places module enhances the overall travel experience, empowering tourists to make the most of their visit and discover the hidden gems of their destination.

This module is also designed to assist city residents in discovering and exploring the best places to visit within their own locality. It aims to showcase the hidden gems, popular hotspots, and unique attractions that may often go unnoticed by residents. The module provides curated recommendations of the best places to visit within the city. These recommendations may include local parks, markets, cafes, restaurants, art galleries, community centers, historical sites, recreational areas, and other points of interest. The places module in a city-oriented app empowers residents to uncover the best local spots, promoting a sense of pride and exploration within their own community. It serves as a valuable resource for residents to discover hidden treasures, support local businesses, and experience the unique offerings of their city.

## **Admin Panel for information modules management**

Cities can utilize a user-friendly dashboard or content management system to update and customize the information displayed in the application. This ensures that the information provided is accurate, current, and tailored to the city's needs. The CMS may include features for adding descriptions, images, maps, and other relevant details for each information category.

## **Air quality**

The air quality module is a component of an application that provides users with real-time information and updates about the air quality in their location or specific areas of interest. It helps individuals stay informed about the quality of the air they breathe and promotes awareness of environmental conditions that may affect their health and well-being.

The module provides an Air Quality Index, which is a numerical value or color-coded scale that represents the overall air quality level. Users can access air quality information for their current location, or they can search for specific areas they are interested in. This helps individuals to make decisions regarding outdoor activities, exercise, or precautions to take when pollution levels are high. The air quality module may include educational resources, tips, or guidelines on how to protect oneself from poor air quality, minimize exposure to pollutants, and contribute to improving air quality. This information can help users make informed choices and take actions that promote cleaner and healthier air.

Overall, the air quality module aims to increase environmental awareness, promote healthy living, and empower individuals to make informed decisions based on real-time air quality data. By providing access to this information, the module helps users understand the impact of air quality on their health and encourages actions that contribute to cleaner and safer environments.

## **Waste disposal schedule**

The garbage collection schedule module is a component of an application that provides users with information about the schedule for garbage collection in their area. It helps residents and businesses stay informed about when their waste will be collected, allowing them to properly prepare and dispose of their garbage.

The module displays the garbage collection schedule for different areas or neighbourhoods within a city. Users can access the schedule for their specific location by entering their address or selecting it from a list. The module provides details such as collection day and specific instructions or guidelines for waste disposal.

In addition to regular garbage collection, the module may provide information about special collection events or services. This could include bulky item pickups or seasonal waste management initiatives. The garbage collection schedule module may include information and guidelines on recycling and waste sorting. It can educate users about different waste categories (such as recyclables, organic waste, and non-recyclables) and provide instructions on how to separate and dispose of each type correctly. This promotes environmental consciousness and helps users contribute to sustainable waste management practices.

By providing a garbage collection schedule module, applications contribute to efficient waste management and promote responsible waste disposal practices among residents and businesses. The module improves communication, reduces confusion, and encourages active participation in maintaining a clean and sustainable environment.

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# Ticketing Module

The ticketing module in a Smart City app is a component that allows users to purchase and manage tickets for various modes of transportation within the city. It provides a convenient and streamlined process for users to plan their journeys, access tickets, and travel seamlessly. Here are the key features and functionalities:

**Ticket Options:** The module offers a range of ticket options based on the available modes of transportation in the city, such as buses or trams. Users can choose from single-use tickets, day passes, weekly or monthly passes, depending on the ticket offer of the transportation network.

**Ticket Purchase:** Users can purchase tickets directly within the app. The module may support various payment options, such as credit/debit cards, blik, or in-app payment methods. Users can select their desired ticket type, specify the number of tickets needed, and complete the transaction securely.

**Digital Tickets:** The ticketing module generates e-tickets that users can access directly within the app. These tickets can be displayed on the user's device when requested for ticket inspection by transportation authorities.

**Ticket Validation:** The module includes features for ticket validation, such as QR code scanning. Transportation staff can scan and validate the digital tickets to ensure their authenticity.

**Real-Time Updates:** The ticketing module provides real-time updates on service disruptions, delays, or changes in transportation schedules. Users receive notifications or posts in the news module about any modifications that may impact their planned journeys, allowing them to adjust their travel plans accordingly.

**Ticket Management:** The module allows users to manage their purchased tickets within the app. Users can view their ticket details, including validity periods, or any usage restrictions. There is also an option to view tickets that were used in the past.



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The ticketing module in a city travel app aims to simplify the ticket purchasing process, enhance user convenience, and facilitate smooth and efficient travel experiences within the city's transportation network.

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# Admin panel

The admin is a robust backend system that provides administrators with comprehensive tools and features to efficiently handle and oversee various aspects of Smart City application and user management within the application.

**Reports:** The panel also includes reporting features to generate transaction reports or export transaction data for further analysis or financial reconciliation purposes.

**Ticket Management:** Administrators can view and manage all aspects of ticketing operations. This includes the ability to add, edit, or remove tickets, control ticket inventory, assign seating or sections, set pricing and availability, and manage ticket categories or types. The panel allows administrators to have a centralized view of ticket sales, availability, and status.

**User Management:** The admin panel allows administrators to manage user accounts and profiles. Administrators can view user details, update user information, verify user identities, and handle user inquiries or support requests. The panel provides options for user segmentation, allowing administrators to categorize users based on various criteria and target specific user groups with relevant communications or promotions.

**Transaction Monitoring:** The admin panel provides a comprehensive overview of transactions processed through the Smart City application. Administrators can track and analyze transaction data, including sales volume, revenue, payment methods used, and transaction statuses (e.g., successful, pending, refunded).

**Refunds and Exchanges:** Administrators can process ticket refunds or exchanges directly through the admin panel. They have the authority to handle refund requests, validate refund eligibility based on predefined policies, and initiate refund transactions.

**Communication and Notifications:** The admin panel provides tools to send push notifications to users. Administrators can draft and send notifications to inform users about upcoming events, changes in ticket availability, or any other relevant information.

**Security and Permissions:** The admin panel includes robust security features and user permissions. Administrators have different levels of access and privileges to ensure data integrity, protect sensitive information, and maintain the overall security of the system. User roles and permissions can be assigned based on specific responsibilities and administrative needs.

Overall, the admin panel for managing tickets, users, and transactions in the Smart City application provides a comprehensive backend solution for administrators to oversee ticketing operations, user management, and transaction monitoring. It enables efficient ticket management, user support, financial reconciliation, and data analysis, empowering administrators to effectively manage and optimise the ticketing system within the Smart City application.

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# E-magazine

## E-magazine - B2B API

The e-magazine is a B2B API platform that facilitates the sale of public transport tickets to third-party applications. It serves as a comprehensive solution for cities and ticket sellers, streamlining the ticket sales process and simplifying integration for B2B partners. Here are the key features and benefits of the e-magazine:

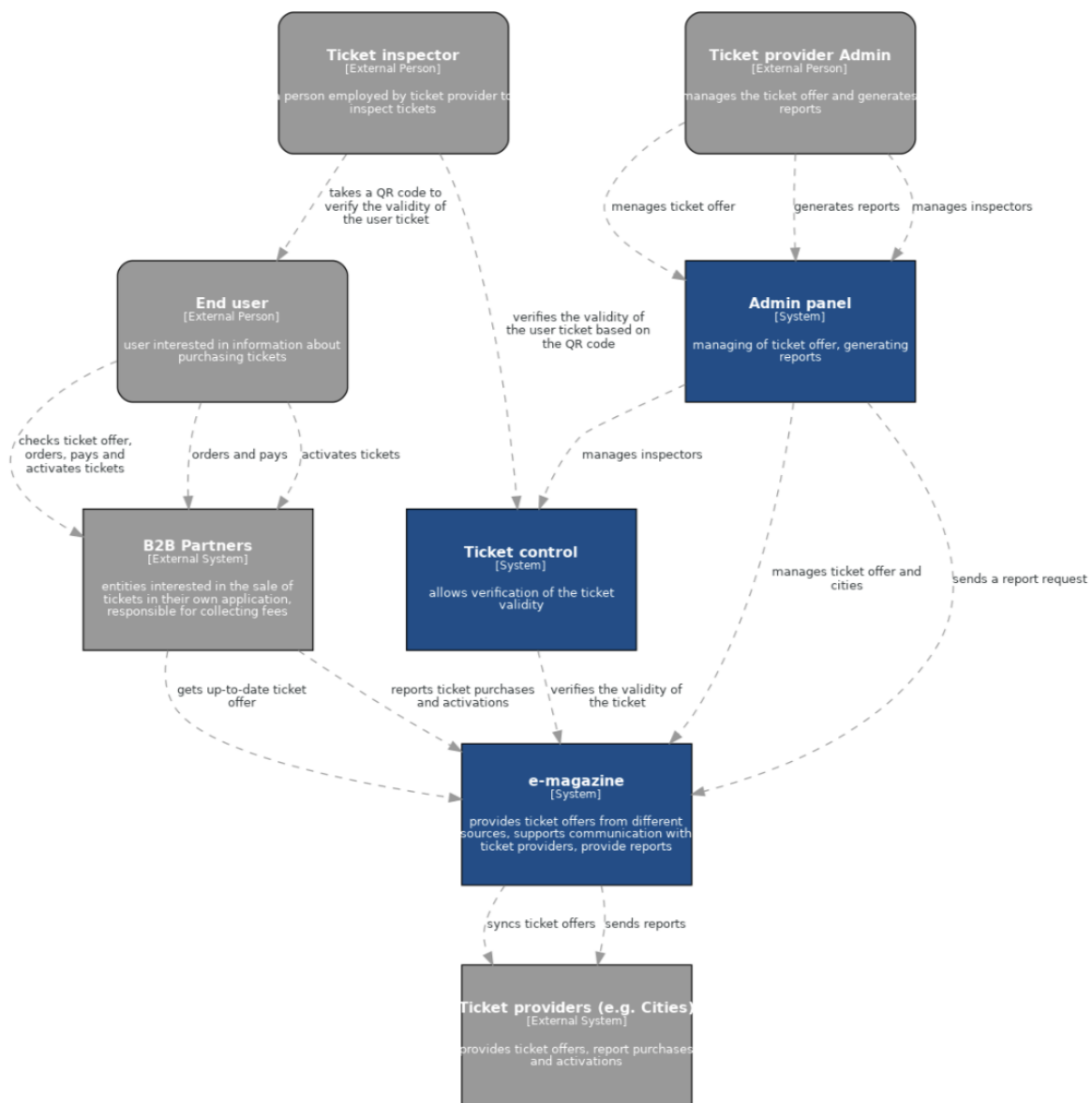
### For the Ticket Seller (e.g., City):

1. **Simplified Ticket Sales:** The e-magazine provides a digital platform for ticket sales, eliminating the need for cities to maintain and develop their own sales system. It offers a convenient and efficient solution for cities that did not previously have a ticket sales system.
2. **Unified API:** The e-magazine offers a unified API that facilitates seamless integration with third-party applications. This reduces the complexity and time required for integration, enabling faster and easier access to ticket sales.
3. **Ticket Management:** The e-magazine allows ticket sellers to present their current ticket offerings, specify purchase requirements, configure purchasing flows, register ticket purchases, validate purchase conditions, activate purchased tickets, and generate reports on ticket sales. It provides comprehensive ticket management tools for efficient administration.
4. **Streamlined Communication:** By using the e-magazine, ticket sellers can simplify communication with external entities interested in selling tickets. It eliminates the need for individual negotiations and ensures smooth collaboration.

### For Third-Party Applications (B2B Partners):

1. **Simplified Ticket Integration:** The e-magazine serves as a mediator for third-party applications, allowing them to easily integrate and sell tickets without the hassle of individual agreements with cities or local carriers. It provides a consistent API that ensures seamless integration regardless of the ticket-selling entity.
2. **Hassle-Free Sales:** B2B partners can leverage the e-magazine to sell tickets without unnecessary formalities and complex integration processes. The platform offers pre-existing contracts with multiple entities and integration with their sales systems, making it a straightforward solution for ticket sales.
3. **Business Logic Continuity:** The e-magazine ensures that the business logic of ticket-selling entities remains intact, as it provides a consistent API for ticket sales regardless of the entity whose tickets are being sold. B2B partners can maintain their unique selling processes while utilizing the

e-magazine's capabilities.



## Summary:

The e-magazine is an evolving tool that simplifies electronic ticket sales for cities and ticket sellers. It offers Support24, guaranteeing high-quality services and support. By leveraging the e-magazine, entities can quickly implement ticket sales without the need for their own sales system, while B2B partners benefit from a streamlined integration process. The e-magazine serves as a reliable and efficient solution for ticket sales in a B2B context.

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# Push Notifications

Push notifications enable Smart City application to deliver real-time updates and changes directly to users' devices. It is a convenient tool that allows to communicate with users. This could provide real-time updates on service disruptions, changes in transportation schedules, changes in event timing or other important details, ensuring users stay informed and can make necessary adjustments accordingly. Smart City can use push notifications to send exclusive offers, discounts, or promotions information to their users and increase customer engagement.

Overall, push notifications enhance the user experience by providing timely updates, personalized recommendations, convenient ticket access, and exclusive offers. They improve communication between the application and users, keeping them engaged and informed.

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