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| **Vehicle Detection**  Project Charge Document (M101) |

1. **Project Information**

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| **Project Name:** | Vehicle Detection | **PlanView Number:** | 1234 |
| **Project Sponsor:** | Vitaliy Dorosh | **Project Size:** | Small |
| **Project Director:** | Vitaliy Dorosh | **Project Start Date:** | 19.02.2024 |
| **Project Manager:** | Budnik Sergiy | **Project End Date:** | 22.05.2024 |

1. **Project Leads**

| **Lead Name** | **Division** | **Unit** |
| --- | --- | --- |
| Vasylchuk Oleksandr | Project Management Lead |  |
| Bukevich Ilya | Head of development division |  |
| Budnik Sergiy | Head of design division |  |
| Yednak Ivan |  |  |

# Project Statement

| **Project Area** | **Description** |
| --- | --- |
| Background: | Our vehicle detection system provides a groundbreaking opportunity to revolutionize the way we monitor and manage traffic flow. We recognize that many of our users have distinct experiences tied to transportation, whether it's commuting to work or embarking on memorable road trips. That's why we prioritize creating an environment that evokes nostalgia, enabling users to revisit familiar experiences and rediscover the excitement of navigating roads. |
| Project Vision Statement: | Our mission is to establish a distinctive environment where individuals can reconnect with the essence of bygone eras through gaming. Our vehicle detection system endeavors to serve as more than just a tool for monitoring traffic—it strives to become a central hub where users can delve into the rich world of transportation history, reminisce about past journeys, and connect with fellow enthusiasts. |
| Objective: | 1. Expansion of Vehicle Detection Product Range: Continuously broadening our portfolio of vehicle detection solutions, encompassing a diverse range of technologies and applications to meet various needs and requirements.  2. Enhancing User Experience: Improving our website and online platform to streamline the process of accessing and utilizing vehicle detection services, ensuring a seamless and intuitive experience for our clients.  3. Community Engagement: Fostering a collaborative community of users and stakeholders through forums, discussions, and events dedicated to vehicle detection technology, promoting knowledge sharing and networking opportunities.  4. Advocacy for Vehicle Detection Technology: Organizing initiatives and campaigns to raise awareness about the benefits and applications of vehicle detection systems, driving adoption and innovation in the field.  5. Providing Exceptional Customer Support: Offering timely and reliable support services to assist clients with inquiries, troubleshooting, and implementation of vehicle detection solutions, ensuring a positive and fulfilling experience. |
| Scope: |  |
| Included in scope: | 1. Vehicle Detection System Deployment: Our service will encompass the installation and operation of a comprehensive vehicle detection system, offering solutions tailored for diverse environments such as urban streets, highways, and parking lots. 2. Online Platform Development: We will develop and manage an online platform to facilitate seamless access to vehicle detection services for our clients, ensuring convenience and accessibility in acquiring and managing system resources. 3. Community Engagement: We will foster a collaborative environment among our clients, providing avenues for interaction and knowledge sharing through forums, blogs, and social networking platforms dedicated to vehicle detection technology. 4. Customer Support Services: We are committed to delivering responsive and effective customer support, addressing inquiries related to product functionality, installation, and maintenance, as well as providing assistance with system integration and optimization. Additionally, we clarify certain exclusions: |
| Excluded from scope: | 1. Non-Involvement in Vehicle Repair or Maintenance: Our focus remains on the deployment and operation of vehicle detection systems; therefore, we will not offer services related to vehicle repair or maintenance. 2. Exclusion of In-House Development: We will not engage in the development of proprietary vehicle detection software or interfere with existing system development processes, maintaining our role as a provider and supporter of vehicle detection technology. 3. No Hardware Sales: Our primary objective is to offer vehicle detection services; hence, we will not retail hardware components such as sensors or cameras, aligning with our core mission of providing comprehensive vehicle detection solutions. |
| Impacts: (Organizational & Technical) | 1. Improved Traffic Flow: The successful deployment of the vehicle detection system may result in enhanced traffic flow management, reducing congestion and improving overall road efficiency.  2. Enhanced Safety Measures: Implementation of the project could lead to increased road safety by enabling timely detection of traffic incidents and hazards, facilitating prompt response and mitigation efforts.  3. Environmental Impact Reduction: Effective traffic management through the vehicle detection system may contribute to reduced carbon emissions and environmental impact by optimizing vehicle movement and reducing idle time. |

# High-level Requirements

| **Requirement Area** | **Projected Steps/Comments** |
| --- | --- |
| Supplier Relationships | 1. Establish agreements with reliable suppliers or vendors for sourcing vehicle detection.  2. Maintain open communication channels to ensure consistent supply and address any issues promptly. |
| Customer Demand and Trends | 1. Conduct market research to identify popular vehicle detection and gaming trends.  2. Regularly monitor sales data and customer feedback to adjust product offerings accordingly. |
| Regulatory Compliance | 1. Stay informed about relevant laws and regulations governing online sales and data protection.  2. Implement policies and procedures to ensure compliance with legal requirements and protect customer data. |

# High-level Deliverables

| **Deliverable Type**  **Note: Identify each type as either  Business Process or Project Management.** | **Description** |
| --- | --- |
| Business Process | 1. Supplier Performance Evaluation Metrics: Metrics used to evaluate supplier performance in the sourcing of vehicle detection.  2. Customer Feedback Analysis Report: Report analyzing customer feedback to enhance product offerings and services.  3. Sales Forecasting Model: Model designed to predict sales based on historical data and market trends. |
| Project Management | 1. Supplier Performance Metrics: Metrics for evaluating supplier performance in sourcing vehicle detection.  2. Customer Feedback Analysis Report: Analysis of customer feedback to enhance product and service offerings.  3. Quality Assurance Plan: Plan outlining procedures for ensuring product quality. |

# High-level Timeline

| **Milestone** | **Target Date** | **Date Achieved** |
| --- | --- | --- |
| Task Definition. | 5.02.2024 |  |
| Completed Product Concept. | 10.03.2024 |  |
| Alpha Version Presentation. | 05.04.2024 |  |
| Beta Version Presentation. | 01.05.2024 |  |
| Project Release | 20.05.2024 |  |

# Project Team

| **Project Groups** | **Division/Units Represented** |
| --- | --- |
| Core Group(s): | Vasylchuk Oleksandr |
| Subject Matter/Expert(s): | Vasylchuk Oleksandr |
| Technical Expert(s): | Bukevich Ilya |
| Other(s) (please describe): | Budnik Sergiy, Yednak Ivan |

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# Project Status Reports

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| **Status Report Owner:** | Budnik Sergiy |

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| **Status Report Audience:** | Vitaliy Dorosh |  |
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