| **Bot Car Search**  Project Charge Document (M101) |
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1. **Project Information**

| **Project Name:** | Bot Car Search | **PlanView Number:** | 01 |
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| **Project Sponsor:** | Vitaliy Dorosh | **Project Size:** | small |
| **Project Director:** | Vitaliy Dorosh | **Project Start Date:** | 20.02.24 |
| **Project Manager:** | Tetiana Sozanska | **Project End Date:** | 19.05.24 |

1. **Project Leads**

| **Lead Name** | **Division** | **Unit** |
| --- | --- | --- |
| Tetiana Sozanska | Team Lead |  |
| Vita Katsydym | Business Analysis |  |
| Vitalii Dehod | Develop team | Andrii Cheremshinskiy |
| Andrii Balytskiy | QA |  |

# Project Statement

| **Project Area** | **Description** |
| --- | --- |
| Background: | Many people need a car today, but not everyone has time to constantly monitor sales sites. Therefore, access to up-to-date information becomes a key factor in a successful purchase. This is exactly the problem we are trying to solve. |
| Project Vision Statement: | We decided to create a bot that tracks new car sale ads and sends notifications to the user. |
| Objective: | 1. Provide users with a quick and convenient way to be notified of new car listings that match their criteria.  2. Help users find the best deals on used and new cars.  3. Reduce the time and effort required to search for ads for sale of cars. |
| Scope: |  |
| Included in scope: | 1. Data source: Getting ads from popular car sales websites like Auto.ria.  2. Notification method: Sending notifications to users about new announcements via Telegram.  3. Filters: The bot includes searches based on the filters you choose on Auto.ria. This will allow you to receive notifications only about those ads that meet your needs. |
| Excluded from scope: | 1. Сar buying process: Unless your bot helps users complete the purchase itself, exclude this step. 2. Integration with external services: If the bot won't connect to financing or car history platforms, mention it here. 3. Advanced features: If there are functionalities you might consider for later versions (e.g., price negotiation assistance), list them here. |
| Impacts: (Organizational & Technical) | Organizational aspects:  Team building: The project stimulates collaboration between participants from different fields, generating synergy and developing cross-functional skills.  Skill Development: Team members gain valuable experience and knowledge in gaming processes, tools and technologies, leading to their professional growth and empowerment.  Technical aspects:  Improvement of technical skills: Through hands-on experience in graphic design, programming, audio engineering and QA, project participants sharpen their technical skills, which contributes to their personal development and the overall technical potential of the team.  Optimizing development processes: Using lessons learned leads to improvements in development processes, methodologies, and best practices, which in turn increases the efficiency, quality, and scalability of future projects. |
| Dependencies: | 1. Data: The bot needs data to function. This data can come from a variety of sources, such as:  Websites: The bot can scrape data from websites like Auto.ria, RST, OLX, RIA to find new car ads for sale.  2. Files: The bot can read data from a JSON file  3. Platform: The bot needs a platform to work. This platform can be:  Telegram: The bot can work on Telegram, sending notifications to users about new ads.  Hosting: Placing the bot on the network for public access.  4. Maintenance: The bot needs constant maintenance to keep it working properly. This may include:  Bug Fixes: Find and fix bugs in the bot code.  Update Data: Update bot data to keep it up to date.  Performance Monitoring: Monitor bot performance and make changes to improve it. |
| Assumptions & Constraints: | Assumption:  Data availability: The bot expects data about new ads to be available on Auto.ria in a format it can understand.  Data quality: The bot expects ad data to be clear, accurate and up-to-date.  Platform stability: The bot expects the Telegram platform to be available and stable.  User Behavior: The bot expects users to use its commands correctly and provide the required information.  Limitation:  Dependency on Auto.ria: The bot can only get data from Auto.ria. It cannot receive data from other websites or sources.  Data format: The bot can only process data in certain formats. If the data does not conform to these formats, the bot will not be able to process it.  Telegram capabilities: The bot is limited by the capabilities of the Telegram platform. It cannot perform actions that are not possible in Telegram.  Necessity of human assistance: A bot cannot completely replace human assistance. |

# High-level Requirements

| **Requirement Area** | **Projected Steps/Comments** |
| --- | --- |
| Search for ads | The bot should find new ads for the sale of cars on Auto.ria that meet the user's criteria. |
| Notifications | The bot should send users notifications about new ads that match their criteria. |
| Integration with Telegram | The bot must be available on Telegram so that users can receive notifications and manage their settings. |
| Ease of use | The bot should be easy to use for people with different levels of technical literacy. |

# High-level Deliverables

| **Deliverable Type**  **Note: Identify each type as either  Business Process or Project Management.** | **Description** |
| --- | --- |
| Save time | The bot helps users save time by searching for new ads for sale of cars. |
| Convenience | The bot notifies users of new ads that match their criteria. |
| Availability | The bot is available on Telegram, making it user-friendly.  Wide Choice: The bot provides access to ads from Auto.ria, giving users a wider choice. |
| Increase sales | A bot can help increase car sales as it makes ads available to a larger audience. |
| Increase brand awareness | A bot can help increase brand awareness as it will be used by many people. |

# High-level Timeline

| **Milestone** | **Target Date** | **Date Achieved** |
| --- | --- | --- |
| Task Definition. | 6.02.2024 |  |
| Completed Product Concept. | 10.03.2024 |  |
| Alpha Version Presentation. | 05.04.2024 |  |
| Beta Version Presentation. | 01.05.2024 |  |
| Project Release. | 19.05.2024 |  |

# Project Team

| **Project Groups** | **Division/Units Represented** |
| --- | --- |
| Core Group(s): | Tetiana Sozanska |
| Subject Matter/Expert(s): | Tetiana Sozanska |
| Technical Expert(s): | Vitalii Dehod |
| Other(s) (please describe): | Vita Katsym (Business Analysis) Andrii Balitskyi (QA)  Andrii |

# Project Status Reports

| **Status Report Owner:** | Tetiana Sozanska |
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| **Status Report Audience:** | Vitaliy Dorosh |  |
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