**Initial Project Planning Template**

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| Date | 15 March 2024 |
| Team ID | SWTID1720707508 |
| Project Name | WarLens: Transfer Learning for Event Classification in Conflict Zones |
| Maximum Marks | 4 Marks |

**Product Backlog, Sprint Schedule, and Estimation (4 Marks)**

Use the below template to create a product backlog and sprint schedule

| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** | **Sprint Start Date** | **Sprint End Date (Planned)** |
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| Sprint-1 | Overview | USN-1 | Provide an overview of WarLens project including its purpose and use cases. | 2 | High | Arya, Ishan, Guru, Gayatri | 01/07 | 05/07 |
| Sprint-1 | Technical Architecture | USN-2 | Describe the technical architecture of the WarLens project with a diagram. | 2 | High | Arya, Ishan, Guru, Gayatri | 01/07 | 05/07 |
| Sprint-1 | Pre-requisites | USN-3 | List the pre-requisites including software and packages required for the project. | 1 | Medium | Arya, Ishan, Guru, Gayatri | 01/07 | 05/07 |
| Sprint-2 | Project Objectives | USN-4 | Detail the project objectives and what the user will understand by the end of the project. | 1 | Medium | Arya, Ishan, Guru, Gayatri | 05/07 | 08/07 |
| Sprint-2 | Project Flow | USN-5 | Explain the project flow from user interaction to prediction display. | 1 | Medium | Arya, Ishan, Guru, Gayatri | 05/07 | 08/07 |
| Sprint-2 | Data Collection | USN-6 | Describe the dataset used and its source. | 1 | Medium | Arya, Ishan, Guru, Gayatri | 05/07 | 08/07 |
| Sprint-2 | Create Training and Testing Dataset | USN-7 | Outline the process of creating training and testing datasets. | 2 | High | Arya, Ishan, Guru, Gayatri | 05/07 | 08/07 |
| Sprint-2 | Image Pre-processing | USN-8 | Detail the image pre-processing steps including building input and output layers. | 2 | High | Arya, Ishan, Guru, Gayatri | 05/07 | 08/07 |
| Sprint-2 | Importing Libraries | USN-9 | List the necessary libraries and modules for the project. | 1 | Low | Arya, Ishan, Guru, Gayatri | 05/07 | 08/07 |
| Sprint-2 | Configure ImageDataGenerator Class | USN-10 | Explain how to configure the ImageDataGenerator class for data augmentation. | 2 | High | Arya, Ishan, Guru, Gayatri | 05/07 | 08/07 |
| Sprint-2 | Configure ImageDataGenerator Class | USN-10 | Explain how to configure the ImageDataGenerator class for data augmentation. | 2 | High | Arya, Ishan, Guru, Gayatri | 05/07 | 08/07 |
| Sprint-2 | Apply ImageDataGenerator Functionality | USN-11 | Describe the application of ImageDataGenerator functionality to the datasets. | 2 | High | Arya, Ishan, Guru, Gayatri | 05/07 | 08/07 |
| Sprint-2 | Model Building | USN-12 | Detail the process of building the model using different transfer learning models. | 2 | High | Arya, Ishan, Guru, Gayatri | 05/07 | 08/07 |
| Sprint-2 | Model Compilation and Training | USN-13 | Explain the model compilation and training process. | 2 | High | Arya, Ishan, Guru, Gayatri | 05/07 | 08/07 |
| Sprint-2 | Save and Test the Model | USN-14 | Detail the process of saving and testing the model. | 1 | Medium | Arya, Ishan, Guru, Gayatri | 05/07 | 08/07 |
| Sprint-2 | Application Building: HTML Page | USN-15 | Describe the creation of an HTML file for the UI | 1 | Low | Arya, Ishan, Guru, Gayatri | 05/07 | 08/07 |
| Sprint-2 | Application Building: Server-side Script | USN-16 | Explain the creation of a Flask application to handle image uploads and return predictions. | 2 | High | Arya, Ishan, Guru, Gayatri | 05/07 | 08/07 |
| Sprint-2 | Application Building: Flask Application | USN-17 | Detail the implementation of the Flask application with code snippets. | 2 | High | Arya, Ishan, Guru, Gayatri | 05/07 | 08/07 |
| Sprint-2 | Application Building: Streamlit Application | USN-18 | Describe the creation of a Streamlit application to interact with the Flask API | 2 | High | Arya, Ishan, Guru, Gayatri | 05/07 | 08/07 |
| Sprint-2 | Application Building: Vercel Configuration | USN-19 | Explain the Vercel configuration for deployment. | 1 | Medium | Arya, Ishan, Guru, Gayatri | 05/07 | 08/07 |
| Sprint-2 | Conclusion | USN-20 | Summarize the project, its applications, and its integration with Flask and Streamlit. | 1 | Medium | Arya, Ishan, Guru, Gayatri | 05/07 | 08/07 |