

**Palliamate- Palliative care application for Adolescents and
Young adult cancer patients to prioritize their physical and
emotional symptoms**

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Abstract

This final year report aims to present a thorough investigation and the creation of an application that prioritizes the emotional and physical symptoms of cancer patients who are Adolescent and Young Adults (AYA). Due to their age, AYA cancer patients frequently face difficulties and need specialized care and support for their physical and emotional well-being.

An extensive literature review that focuses on the pain management and emotional support requirements of AYA cancer patients is presented at the outset of this report. To lay a strong foundation for the project, a number of studies, research papers, and existing frameworks concerning cancer treatment, symptom prioritization, and mobile health applications were examined.

AYA cancer patients' unique needs were taken into consideration when designing and developing an application based on the literature review. The program uses user-friendly interfaces, personalized symptom tracking, and priority-based algorithms to recognize and rank the emotional and physical discomfort that AYA cancer patients experience.

In summary, this final year report provides a thorough overview of the creation and testing of an application that aims to prioritize pain and emotional symptoms in AYA cancer patients. The application has the potential to significantly improve the level of support and care given to this particular patient population, promote better symptom management, and ultimately improve their general well-being. The capabilities of the application should be improved, and its long-term effects on AYA cancer care should be investigated. More study and improvement are advised.