FACULTY OF COMPUTING & INFORMATION TECHNOLOGY
كلية الحاسبات وتقنية المعلومات

OralOptix

OralOptix project aims to develop an AI system to automatically evaluate bitewing radiographs, identify errors, and provide precise feedback through a user-friendly interface to enhance dental diagnostics and workflows

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PROBLEM STATEMENT

Manual evaluation of dental X-rays is prone to errors, delays, and inconsistencies, often requiring repeated imaging and increasing risks.

Contribution : OralOptix is an innovative system that revolutionizes bitewing radiograph quality assessment by automating the process, to enhance efficiency and accuracy in dental practices.

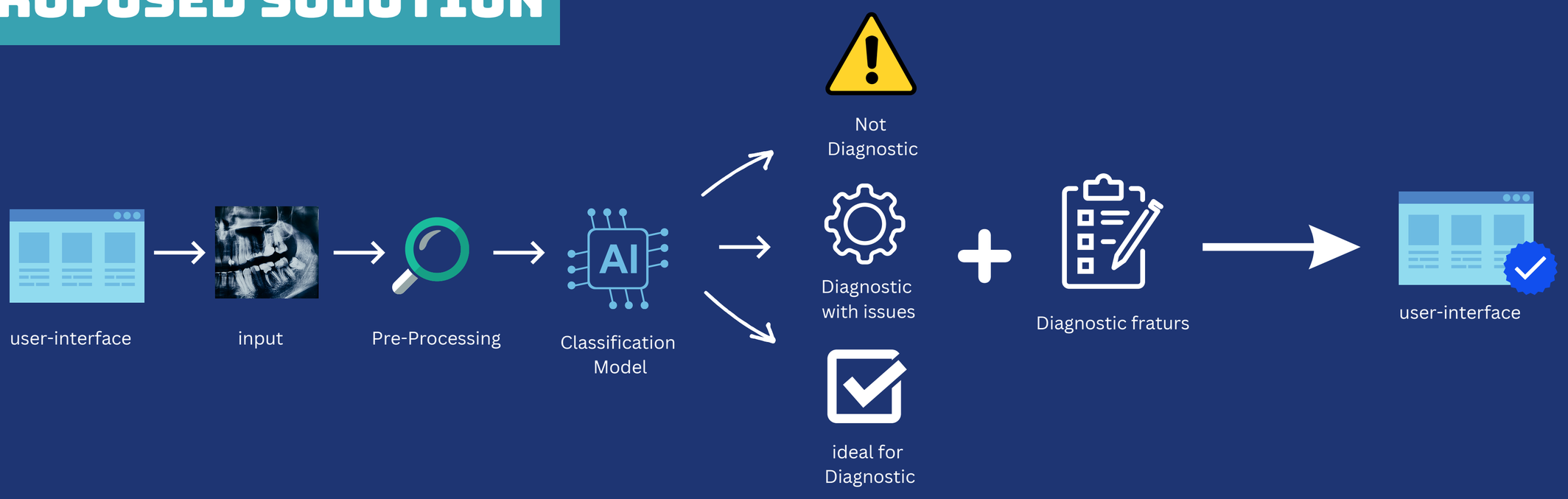
AIM & OBJECTIVES

Aim : Develop an AI system to assess the quality of bitewing radiographs and enhance diagnostic workflows.

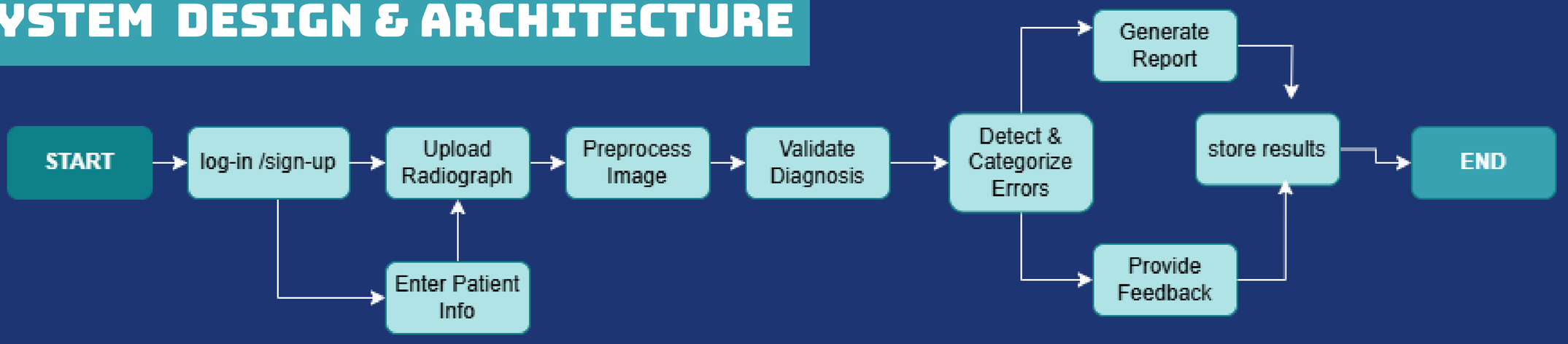
Objectives :

1. Build an AI model to classify radiographic quality.
2. Categorize common errors.
3. Provide feedback in user-friendly interface.

PROPOSED SOLUTION



SYSTEM DESIGN & ARCHITECTURE



PROTOTYPE