Project Name:	Phytora
Team:	Salaar
Project Description:	**For** farmers and agricultural researchers **who** need an efficient and cost-effective method to detect apple tree diseases**,** **the** AI-based plant disease detection system **is a** deep learning-powered solution **that** identifies diseases like scab and rust early, preventing crop loss**.** **Unlike** traditional manual inspection methods**,** **our application** leverages Convolutional Neural Networks (CNNs) to provide fast, accurate, and automated disease classification, overcoming challenges like background noise and variable disease appearances**.**
Benefit Outcomes:	• **Early Detection**: Enables quick identification of apple tree diseases, reducing yield loss. • **Cost-Effective**: Eliminates the need for frequent manual inspections, saving labor costs. • **High Accuracy**: Uses AI and deep learning models to minimize misdiagnosis. • **Scalability**: Can be applied to large farms and integrated into existing agricultural systems. • **User-Friendly**: Provides a simple interface for farmers to upload images and get instant results.
Github Link:	https://github.com/htmw/2025S-SALAAR/wiki