

## Towards A Healthy Lifestyle to Avoid Heart Diseases Using Machine Learning

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### Motivation

Heart diseases are one of the most common diseases, and consequently, a leading cause of death worldwide. According to the Global Health Organization, approximately 17.9 million people have died from heart disease. It's a significant global health issue, necessitating major lifestyle changes and vigilant health monitoring. Early detection of heart diseases through predictive techniques using artificial intelligence can play a crucial role in timely diagnosis.

### Solution

Our goal is to develop the mobile application "Nabd", which uses machine learning techniques to predict the incidence of heart disease. The app also aims to promote healthy lifestyle in the community, by improving overall health and guiding individuals towards making healthier lifestyle choices. In addition, the application provides a way for users to communicate with specialized doctors to obtain direct medical consultations.

### Application Functionality



### Objective

- Improving early diagnosis: developing prediction models using artificial intelligence to diagnose the disease
- Providing a user interface to communicate with specialized doctors for inquiries.
- Health advice: Providing health advice that promotes heart health.
- Increasing awareness of the heart and the factors affecting it by providing educational content.
- Help the user improve his healthy lifestyle

### Tools

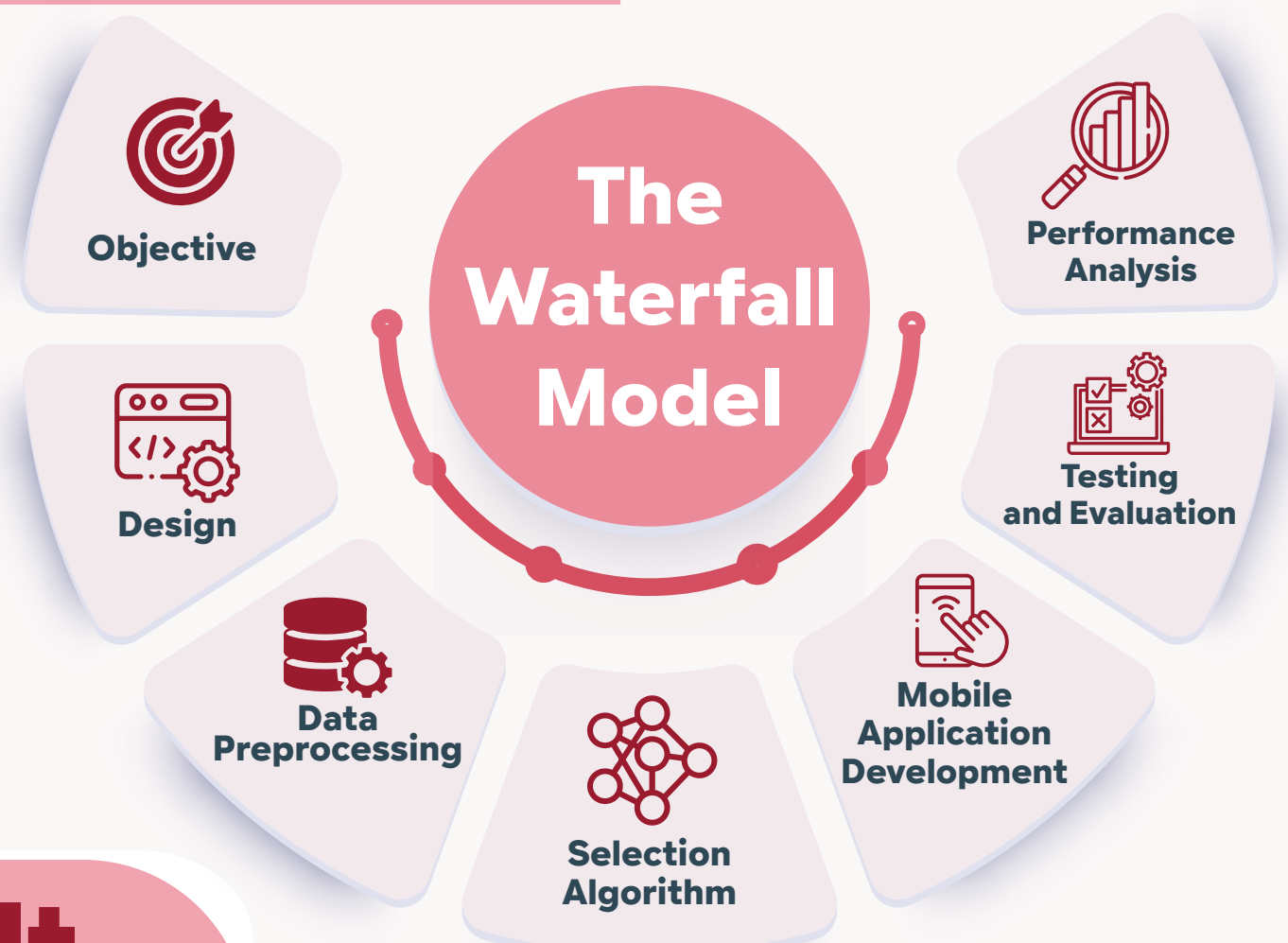


### Conclusion

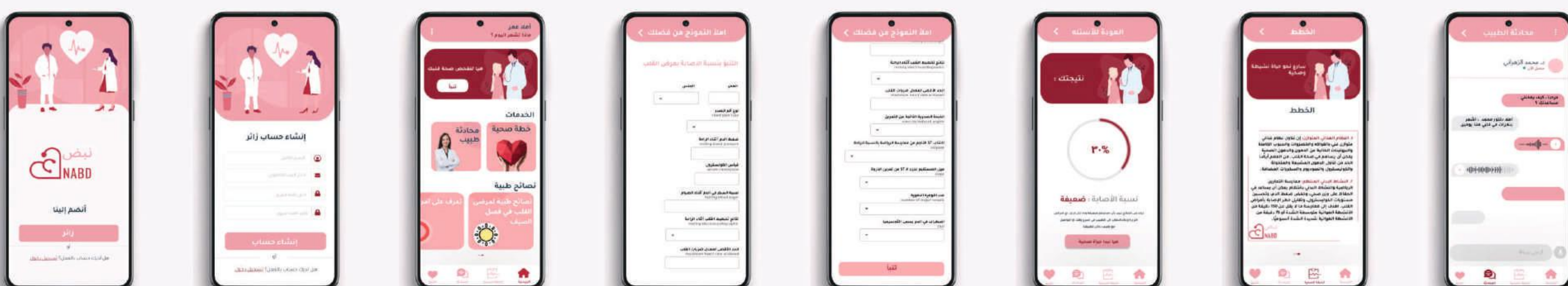
Through the use of modern technologies in the fields of artificial intelligence and machine learning, the "Nabd" application was developed with the aim of early diagnosis of heart disease and prevention of heart disease by improving a healthy lifestyle. In addition, users can connect with a team of specialized doctors for direct medical consultations.

We look forward to a promising future where the "Nabd" application will be a major partner in maintaining heart health and promoting a healthy and sustainable quality of life.

### Methodology



### Result



### Demo

