

# Dental Office Calendar Management

With a focus on cancellation lists

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# About me

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- Earned a major in Biology and minor in Chemistry.
- Worked as a Dental Assistant for four years after graduation.
  - Observed numerous outdated and inefficient practices within the dental office.
  - Had discussions with other healthcare professionals and identified similar inefficiencies.
- Pursuing a degree in Computer Science with the goal of joining a healthcare technology company to develop solutions that address these industry-wide problems.

# About my project

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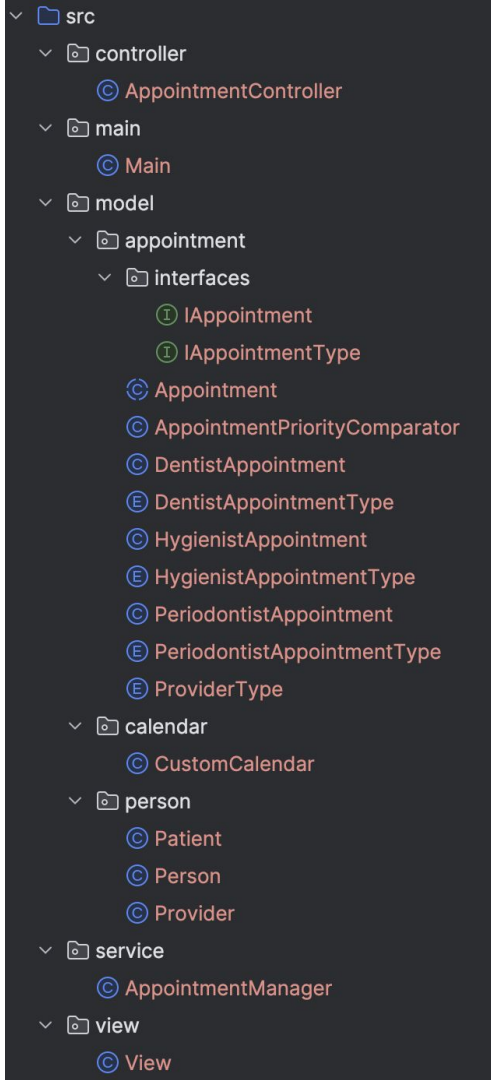
**Problem:** Inefficient management of cancelation lists, which track patients seeking earlier appointments.

**My solution:** I propose the creation of a cancellation list management software tailored for various healthcare practices. This software is designed to:

- Efficiently fill open time slots in healthcare providers' schedules by maintaining a prioritized list of patients requesting earlier appointments.
- Automatically notifying eligible patients via text or email when an appointment becomes available.
- Enhance overall scheduling efficiency, reducing wait times, improving patient satisfaction, and increase practice profits.

# MVC

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**Let's look at some code!**

# Next Steps

- Review code to ensure clarity in naming of methods.
- Establish link between calendar system and the cancellation list for synchronized operations.
  - Implement functionality in priority queue to automatically notify next priority appointment via text message upon a cancellation.
  - Introduce timer mechanism that waits for a patient's response for a specified duration before moving on to notify the next patient in the priority queue.
- Develop a GUI to enhance user interaction experience with the system.
- Create a more versatile version of the application that can be used across different settings.

# Questions?

*Please ask!*