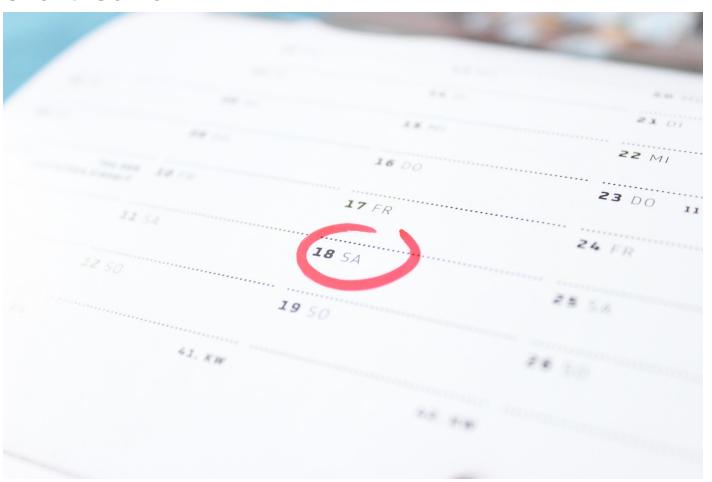# DrBook

Team 2

Member: Max Chen, Nancy Xie, Nancy Dominguez, Linh Truong, Shakti Suman

# Description

Instead of calling in to request an appointment, we propose to create an appointment booking app for doctors' appointments where a patient can go online and self schedule an appointment with a doctor.

The app would have following features

- **Appointment Management**:
    - have the doctors' schedules and creates open slots that the user can choose from to book an appointment.
    - The appointment will have the patient information and appointment details.
    - Allow user to cancel or change appointment.
- **User Management**: Hold the user information in order for the user to use the appointment booking app.
- **Patient Management**: Hold patient information such as their name, address, medical history, etc.and their appointment bookings and details
- **Doctor Management**: Hold the doctor name, specialties, and availability
- **Admin Management**: Hold select users. These authorized users can add doctors and have the ability to reset passwords

# Why we need DrBook?

- Doctors need to make appointments for their patients more efficiently and so that it's more readily available to their patients.

- Doctors would be able to provide a cutting edge service that only a few practices offer - which in turn attracts and retains customers. Therefore, an online booking system would boost revenue and staff efficiency along with minimizing no-shows.

- Taking out the middleman and allowing the patients themselves to book their own appointments in real time.

# Why we need DrBook?

- Increase staff efficiency by allowing them to focus on their current tasks and will boost revenue through increased new patient intake and retainability.

- Simplify the whole process of booking an appointment for a patient and makes it more seamless and efficient for all parties.

# Approach

- The steps:
    i. Installation and Setup (Java, MySQL)
    ii. Customize Login System
    iii. Appointment Management
    iv. Using placeholder doctor and patient data
    v. Concrete implementation of doctor and patient functionality
    vi. Flesh out User management
    vii. Admin management
    viii. Enhancements

- How to generate solution concepts: Brainstorming, researching similar solutions

- How to analyze performance of solution Perform UAT (user acceptance testing)

- What are the alternatives: Get an offline secretary

# Deliverables

Follow Agile methodology

- Iteration 1: project proposal, elaboration, Installation and Setup, Customize Login System, Fetch doctor, Fetch doctors' schedule (display), Create dummy patient homepage, Book a slot

- Iteration 2: Change/Cancel slot, Patient profile (Info, homepage), Doctor profile (Info, homepage), Doctor slot management

- Iteration 3: Add User (any actor), Password reset (for everyone)

| Project Schedule | | | |
|---|---|---|---|
| **Iterations** | **Dates** | **Task** | **Responsible** |
| **Project Proposal** | **9/10/18** | Presentation- Proposal | Team |
| **Iteration 1** | **9/17/18** | Installation & Setup | Team |
| | **9/17/18** | **Customize Login System** | **Nancy D** |
| | **9/24/18** | **Fetch Doctor** | **Linh** |
| | **9/24/18** | **Doctor's Schedule Display** | **Shakti** |
| | **9/30/18** | **Create Dummy Patient Homepage** | **Nancy X** |
| | **9/30/18** | **Book Slot** | **Max** |
| | **10/1/18** | Presentation- Iteration 1 | Team |
| **Iteration 2** | **10/15/18** | **Change/ Cancel Slot** | **Max** |
| | **10/22/18** | **Patient Profile (Info, Homepage)** | **Nancy X, Nancy D** |
| | **10/22/18** | **Doctor Profile (Info, Homepage)** | **Linh, Shakti** |
| | **10/28/18** | **Doctor Slot Management** | **Linh, Shakti** |
| | **10/29/18** | Presentation- Iteration 2 | Team |
| **Iteration 3** | **11/12/18** | **Add User** | **Nancy D** |
| | **11/26/18** | Password Reset | Max |
| | **11/29/18** | Presentation- Iteration 3 | Team |
| **Demo** | **11/26/18 - 12/8/18** | Final Presentation | Team |