

App User Manual of COPD System

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Team Name: Cyberlife

Project: #48 COPD Identify & Manage 2

Team Members:

Yepeng Ding - yding369@gatech.edu - Developer

Hua Chen - hchen659@gatech.edu - QA

Zhihua Jin - zjin80@gatech.edu - Project Manager & QA

Zhixun Wang - zwang999@gatech.edu - Developer

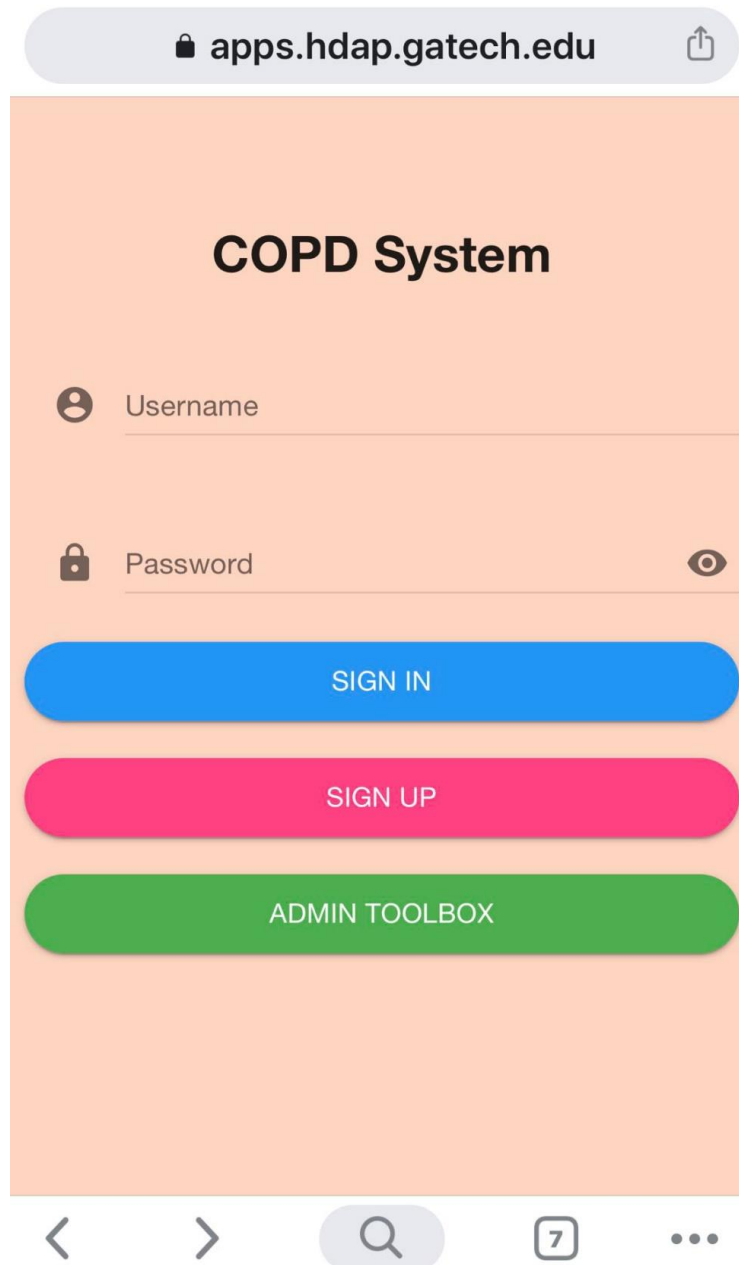
TA Mentor: Ronnie Jones

Industry Advisor: N/A

Github Link: <https://github.gatech.edu/gt-cs6440-hit-fall2019/COPD-Identify-Manage-2>

Getting Started

Type <https://apps.hdap.gatech.edu/cim2app/> in the browser of mobile phone which will lead to the login page of the COPD System. After by click the sign up button and create a new patient user, the user could log in the system by giving the correct username and password.

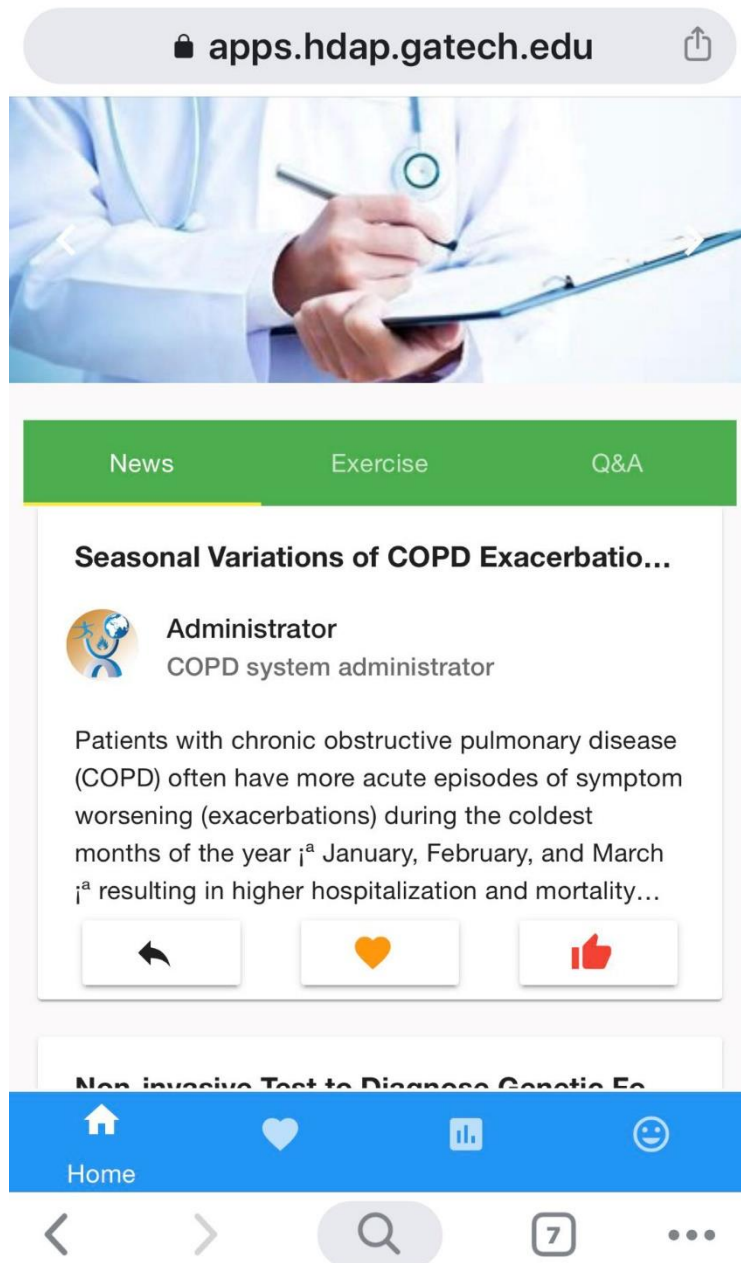


The screenshot shows a mobile browser interface. At the top, the address bar displays the URL [apps.hdap.gatech.edu](https://apps.hdap.gatech.edu/cim2app/) with a lock icon and a share icon. The main content area has an orange background and features the title "COPD System" in bold black text. Below the title are two input fields: "Username" with a person icon and "Password" with a lock icon and a toggle eye icon. There are three large, rounded buttons stacked vertically: a blue "SIGN IN" button, a pink "SIGN UP" button, and a green "ADMIN TOOLBOX" button. At the bottom, there is a navigation bar with icons for back, forward, search, tabs (showing 7), and a menu.

1) Login as Patient

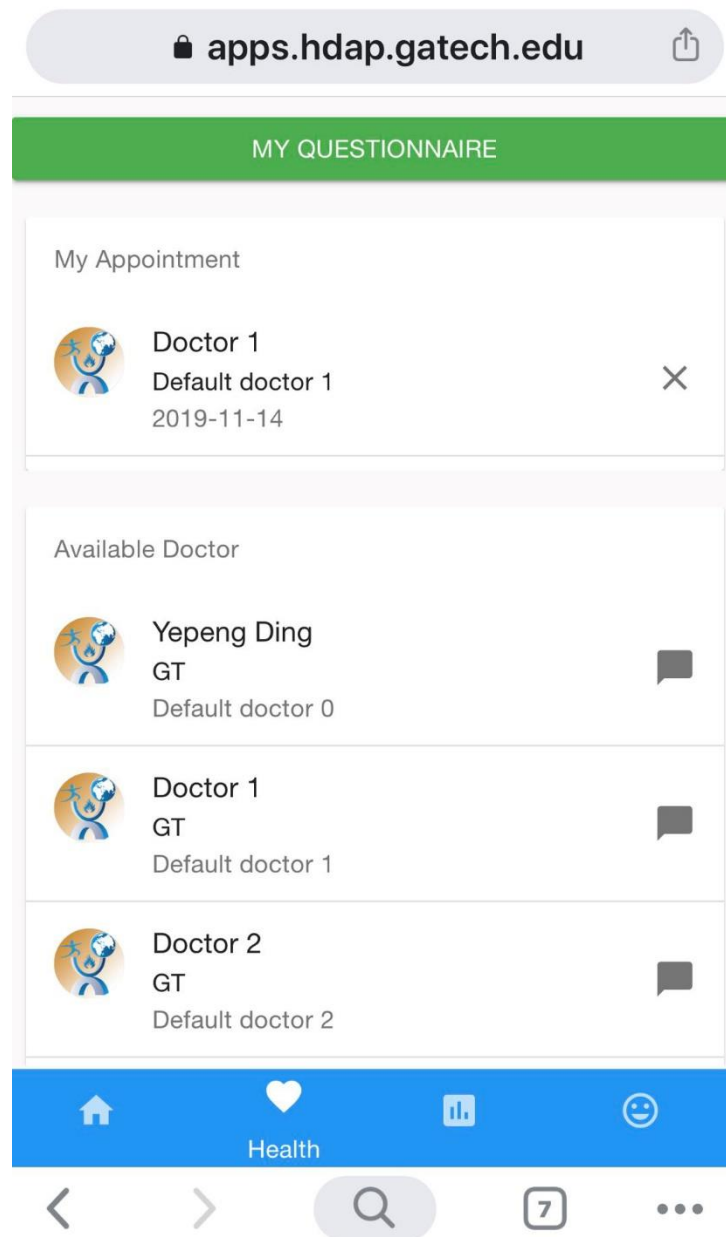
Main Screen of Patient

After successful login, the user could see the default main screen which includes treatment, medication and exercise articles related to COPD. And the user could see in the bottom toolbar which have 4 icons (home icon represents for home screen, heart icon represents for appointment and questionnaires, statics icon represents health record, and smiley icon represents for settings).



Making Appointment

After click the health icon which will lead user to the page for questionnaire and appointment, for making appointment, the user could check the list of available doctor.

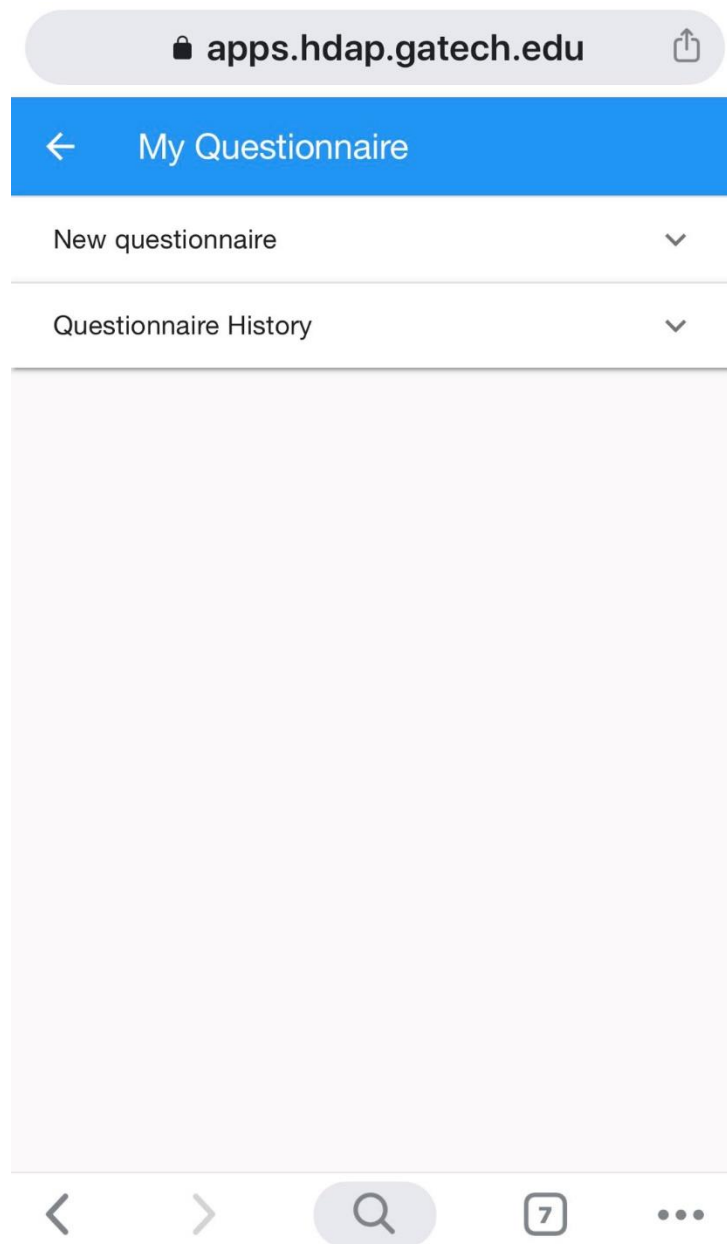


By click the doctor icon a doctor will be selected, and the dialog box of make appointment will pop up. In the dialog box the user could make an appointment by choose date and time and click the button for submit.

The screenshot shows a mobile application interface. At the top, a browser address bar displays 'apps.hdap.gatech.edu' with a lock icon and a share icon. Below this is a blue header bar with the word 'Health'. The main content area is partially obscured by a white dialog box titled 'Make Appointment'. The dialog box contains two input fields, each preceded by a calendar icon: 'Choose date' and 'Choose time'. At the bottom right of the dialog box is a blue 'SUBMIT' button. The background of the app shows a list of items, some with circular icons containing a person and a heart. At the bottom of the app is a blue navigation bar with four icons: a house, a heart, a bar chart, and a smiley face. Below the navigation bar is an Android-style system bar with back, forward, search, and other navigation icons.

Filling Questionnaire

In the main page for questionnaire and appointment by click my questionnaire bar it will direct to the page of questionnaire.



By click new questionnaire bar it will lead to the form of questionnaire, and the user could fill the questionnaire according to the condition, for the case if the user gain high score from questionnaire the system will identify the user with high risk of COPD and will automatically redirect to the make appointment page. And moreover, the user could check out own questionnaire history by click the related bar.



The screenshot shows a mobile application interface for a questionnaire. At the top, a browser address bar displays 'apps.hdap.gatech.edu'. Below it is a blue header bar with a back arrow and the title 'My Questionnaire'. The main content area has a title 'New questionnaire' with an upward arrow. Five questionnaire items are listed, each with a slider for response selection:

- Statement: 'I cough all the time'. Response: **Agree**. The slider is positioned towards the right end.
- Statement: 'My chest is full of phlegm (mucus)'. Response: **Neutral**. The slider is positioned in the middle.
- Statement: 'My chest feels very tight'. Response: **Neutral**. The slider is positioned in the middle.
- Statement: 'When I walk up a hill or a flight of stairs I am completely out of breath'. Response: **Agree**. The slider is positioned towards the right end.
- Statement: 'I am completely limited to doing all activities at home'. Response: **Neutral**. The slider is positioned in the middle.

At the bottom, there is a navigation bar with a back arrow, a forward arrow, a search icon, a tab icon with the number '7', and a menu icon (three dots).

Register for Health Record

By click the statistic icon in the home page it will lead to the page of registry of health record, in this page the user could fill the record accordingly.

 apps.hdap.gatech.edu 

Data





New Health Record ^






How many times have you smoked?

How many times have you done exercise?

Have your respiratory problem become worse?

Have you received any treatment on your symptom?

   
Data

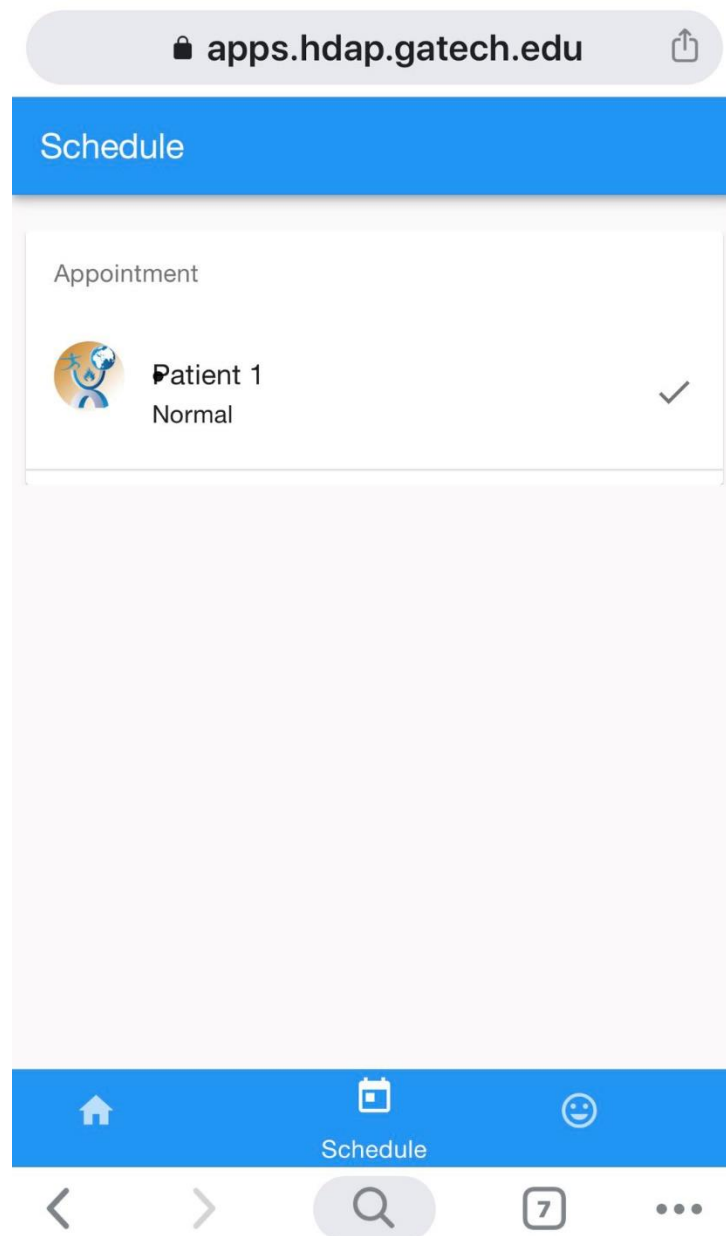
2) Login as Doctor

Main Screen of Patient

After successful login, the user could see the default main screen which includes treatment, medication and exercise articles related to COPD. And the user could see in the bottom toolbar which have 3 icons (home icon represents for home screen, schedule icon represents for the schedule of patient appointments, and smiley icon represents for settings).

Appointment Confirmation

By click the schedule icon in the main screen it will lead to the page of schedule which the doctor could confirm or deny the appointments. And the appointment with check mark status means it has been confirmed, and correspondingly the appointment with cross mark status means it has been denied.





Schedule

Appointment



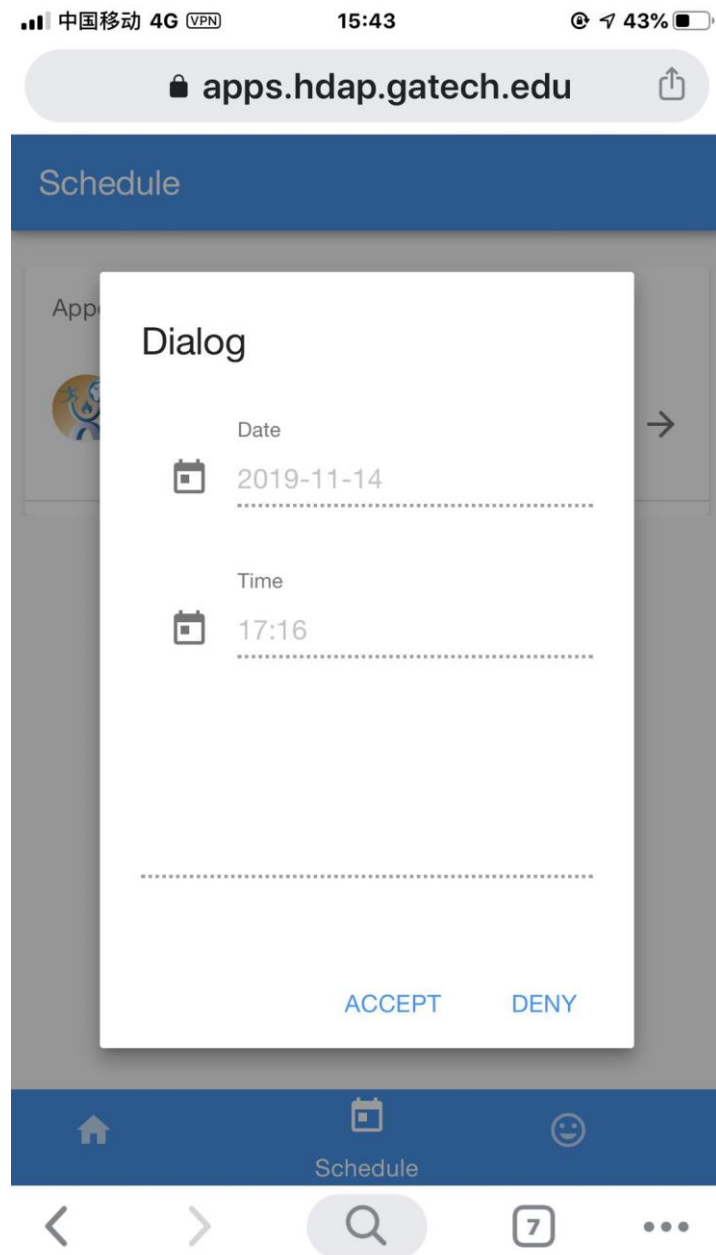
Patient 1
Normal



Schedule






For undetermined appointment the doctor could click on the appointment icon and in the popping-up dialog box to accept or deny of the appointment .



3) Publishing of New Articles

The admin box on the login page is for publishing new articles. By click the related button which will lead to the new article publish page.

 **apps.hdap.gatech.edu** 



Title


Content


Tag


Admin Password


admin


POST











4) Logout

For logout the user could click the logout button in the page of setting.

