

# Functional

- 1 The Website must have a home page.
  - 1.1 The homepage must have a title and summary of our website.
  - 1.2 The homepage must have links to general information about our website
  - 1.3 The homepage must let users sign in or create an account to use our website.
- 2 Before logging in, the homepage must have a navigation bar at the top
  - 2.1 The navigation bar in the homepage will contain 4 tabs: Home, Quit Centres, About Us and Sign In.
- 3 Users must be able to select Quit Centres Page.
  - 3.1 Users must be able to view the map with Quit Centres available pin point on it.
  - 3.2 Users must be able click on a specific quit centre on the map.
    - 3.2.1 Users must be able to view the information of the quit centre on the map.
  - 3.3 Users must be able to click on Find Nearest Button.
    - 3.3.1 The map must be able to show the nearest quit centres pin point on the map.
- 4 The Users must be able to view information About us.
  - 4.1 The User must be able to read about our mission.
  - 4.2 The User must be able to see our doctors.
    - 4.2.1 Each Doctor must include their workplace and what they are specializing in.
- 5 The Users must be able to Sign in using their username and password
  - 5.1 Users must create an account as a member or doctor to sign in by clicking the Sign Up button.
    - 5.1.2.1 Users who clicked on sign up as members are prompted to enter Username, Password, Confirm Password, Name, Email Address, Date Of Birth, Gender, if they are a smoker, and upload their profile photo.
    - 5.1.2.2 Users who clicked on doctor are prompted to enter Username, Password, Confirm Password, Name, Email Address, Date Of Birth, Gender, Work Location, Contact Number, Doctor ID and upload their profile photo.
      - 5.1.2.2.1 Upon doctor account creation, the admin has to verify the doctor's information before the doctor account can be used.
- 6 After a user signs in, there will be the navigation bar at the top with additional tabs: Stories, Articles and Profile.
  - 6.1 If it is a doctor account, they will be directed to Article Page.
  - 6.2 If it is a member account, they will be directed to the Stories Page.
  - 6.3 If it is an admin account, they will be directed to the Manage Page.

7 Both members and doctors must be able to click on the Articles Page.

7.1 This page must list out articles related to smoking and how it affects a person's health posted by Doctors.

7.1.1 Users must be able to view articles related to smoking and lungs posted by Doctor.

7.1.2 Users must be able to comment on articles.

8 Both members and doctors must be able to click on the Stories Page.

8.1 This page must list out stories about quit smoking journeys posted by other members.

8.1.1 Users must be able to click on a particular story to read it.

8.1.2 Users must be able to comment on the story.

8.1.3 Members must be able to create a new story by selecting the Create Story button.

8.1.3.1 For each new story, members must fill in title, content, and tags for their story.

8.1.3.2 Members must be able to share a story by selecting on the Create button.

8.1.3.3 Members must be able to cancel creating a new story by selecting on the Cancel button.

9 Both members and doctors must be able to click on the Profile Page tab.

9.1 If a User is a member and smoker, a member must be able to view his/her Profile, a list of their own stories, Track My Progress Button, Edit Profile button , and Create Story button.

9.1.1 Members must click on the Track My Progress button to view their quit smoking progress.

9.1.1.1 If members first click on this button, they must be able enter the number of cigarettes they smoked daily and the amount of money spent per pack.

9.1.1.2 Members must be able to start their tracking progress by clicking on the date on the calendar shown.

9.1.1.3 Members must be able to check in to the other dates they had missed checking in.

9.1.1.4 Members must be able to view the number of days streak, number of days smoke-free, number of sticks of cigarettes avoided and amount of money saved.

9.1.2 Members must be able to edit their own profile by selecting the Edit Profile button.

9.1.2.1 Members must be able to edit their profile, by editing the profile form.

9.1.2.2 Members must be able to click on the Edit button to update their edited profile.

9.1.3 Members must be able to view the comments on their own stories.

9.1.3 Members must be able to create a new story by selecting the Create Story button.

9.1.5.1 For each new story, members must fill in the title, content, and tags for their story.

9.1.5.2 Members must be able to post a story by selecting on the Create button.

9.1.5.3 Members must be able to cancel creating a new article by selecting on the Cancel button.

9.1.5.1 For each new story, members must fill in the title, content, and tags for their story.

9.1.5.2 Members must be able to share a story by selecting on the Create button.

9.1.5.3 Members must be able to cancel creating a new story by selecting on the Cancel button.

9.2 If a User is a member and non-smoker, a member must be able to view his/her Profile, a list of their own stories, Edit Profile button , and Create Story button.

9.2.1 Members must be able to edit their own profile by selecting the Edit Profile button.

9.2.1.1 Members must be able to edit their profile, by editing the profile form.

9.2.1.2 Members must be able to click on the Edit button to update their edited profile.

9.2.2 Members must be able to view the comments on their own stories.

9.2.3 Members must be able to create a new story by selecting the Create Story button.

9.2.3.1 For each new story, members must fill in the title, content, and tags for their story.

9.2.3.2 Members must be able to post a story by selecting on the Create button.

9.2.3.3 Members must be able to cancel creating a new article by selecting on the Cancel button.

9.2.4.1 For each new story, members must fill in the title, content, and tags for their story.

9.2.4.2 Members must be able to share a story by selecting on the Create button.

9.2.4.3 Members must be able to cancel creating a new story by selecting on the Cancel button.

9.3 If User is a doctor, doctor must be able to view his/her Profile, a list of their own articles with article status, Edit Profile button, Create Article button, Approved, Pending and Rejected Articles button.

9.3.1 Doctors must be able to edit their own profile by selecting the Edit Profile button.

9.3.2 Doctors must be able to view the comments on their own articles.

9.3.3 Doctors must be able to create a new article by selecting the Create Article button.

9.3.3.1 For each new article, doctors must fill in title, content, tags and insert article picture for their article.

9.3.3.2 Doctors must be able to post the article by selecting on the Create button.

9.3.3.3 Doctors must be able to cancel creating a new article by selecting on the Cancel button.

9.3.4 Doctors must be able to view pending articles by selecting the Pending Article button.

9.3.5 Doctors must be able to view rejected articles by selecting the Rejected Article button.

9.3.5.1 For each rejected article, doctors must be able to delete the rejected article.

9.4 Users must be able to log out by selecting Log Out.

10 Administrators must be able to login into the Admin page by appending 'Admin' at the end of the URL.

10.1 Administrators must be able to click on the Home tab.

10.2 Administrators must be able to click on the Manage tab to manage doctor accounts and articles.

10.2.1 Administrators must be able to view pending articles by selecting the Pending Article Button.

10.2.2 Administrators must be able to view the individual pending articles by selecting on the specific article.

10.2.2.1 Administrators must be able to approve the article by clicking on the Approve button.

10.2.2.2 Administrators must be able to reject the article by clicking on the Reject Button.

10.2.2.2.1 Administrators must fill in the rejection email form and the system will send an email to the doctor to notify them.

10.2.3 Administrators must be able to view approved articles.

10.2.4 Administrators must be able view pending doctors.

10.2.4.1 Administrators must be able to click on the individual doctor.

10.2.4.1.1 Administrators must be able to approve the doctor account by clicking on the approve button.

10.2.4.1.2 Admin must be able to reject the doctor account by clicking on the reject button.

10.2.4.1.2.1 Admin must fill in the rejection email form and the system will send an email to the doctor to notify them.

10.2.5 Administrators must be able to view approved doctors.

10.3 Administrators must be able to click on the Broadcast button to create a broadcast message to the users.

10.3.1 Admin must be able to see the broadcast message form.

10.3.1.1 Admin need to enter the Title, Content and expiry date of the broadcast message.

10.3.1.2 Admin must be able to click on the Submit Form button to broadcast a message.

Broadcast messages must be displayed on the website for users.

# Non-functional

## Usability Requirements

- The functionality of the user interface(UI) are in simple headings that makes it clear to users immediately after they have seen it.
- The appearance with simple colour and standardisation, it is easier for users to read.
- The Buttons Available are also big enough and make it user-friendly for people with eyesight problems.
- No fanciful colours, users who are colourblind can still use our website comfortably.
- There is a search bar for users to search for an article/story easily by typing the keywords of a title or tags.
- Smoke free progress provides sufficient information for members who need to know about their progress and it is easy to use.

## Reliability Requirements

- When the page is refreshed, it will load within 5 seconds.
- Every Doctor will have their registered Doctor ID filled up during their sign up. This will make other users feel the articles posted by the doctor are reliable.

## Regulatory Requirements

- Admin have the rights to remove offensive/illegal comments, stories, articles and ban users. Cyberbullying can hurt other users and it is an offence in Singapore. Thus our website follows the law accordingly.

## Data Integrity Requirements

- We're using SQL Database to maintain accuracy and consistency in our data.
- It is most commonly used, recognised by developers and highly recommended.

## Performance Requirements

- When a story or article is created, the website must be updated within 10 seconds.

## Security Requirements

- The system requires users to create an account. This is to safeguard the personal information of the members who are using the website.
- There is an Admin who can approve articles published. This is to prevent misleading information spread to the community.
- Admin is also the role to prevent cyberbullying on our website.