**CRE3PRB**

**Industry Project 3B**

**The Wild Vet – Pet App**

**User Manual**

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# 1.0 Introduction

## 1.1 Audience description

The document aims for the two main users of this software system - general user(customer) and veterinary (administrator) - on how to install and use the software, and how to install and maintain the database for administrator.

The general user will be the primary user for this system. They can create account for adding their pet's detail in the system for veterinary (administrator). User can browse the news, subscribe the nofification for vaccination and prarasite prevention due day reminder. User can also using Basic decision support system (DSS) to check the sickness of their pets to know if they need to visit the veterinary urgent.

The main role of the administrator is update the user's pet detail such as the record for pet's medication, vaccination, prarasite prevention and the check ups. Administrator also can adding/removing the users from the databse and approving any system changes.

## 1.2 Applicability statement

The apps is designed to run on any android device only. It can launched through an app icon after installed. For the best performance of running the apps, the apps should run in the android 11.0 or higher. For any andriod below 11.0, the apps may not have the best performance while running.

The companion website is designed to run on any device that has a browser.

## 1.3 Purpose statement

The main purpose of the TheWildVet software is to provide general user with a simple, convenient and intuitive way to store and view their pet's information, such as medication, vaccination, check ups details etc. It is designed to conveniently view the pet's records and diagnose the pet's condition at any time.

The major applications of the TheWildVet are:

1. Allow user to add, edit, delete, and share the pet’s detail.

2. User can view the history of their pet's vaccination, medication, parasite prevention and check-ups detail anytime.

3. Through the Basic decision support system (DSS), user can diagnose the pet's condition for the suggestion about if they need to visit the veterinary urgent.

4. Allow user to subscribe the reminder for vaccination and parasite prevention.

## 1.4 Document usage description

The user document contains the following sections:

1. **Introduction**

Briefly introduce the system and its purpose and users.

2. **Introductory kit**

System feature and guide

3. **User manual – TheWildVet**

List of services the app provides and a description of each

4. **Installation guide**

The details about how to correctly install the apps, database and website

5. **System Administrator guide**

The details about how to maintain the system/database

6. **Appendices**

Table of subsidiary contents

7. **Bibliography**

List of source materials

8. **Glossary**

Definition of various terms used (focus on technical and domain specific language)

9. **Index**

Alphabetical list of names, subjects etc., with reference to the section of the document in which they occur.

## 1.5 Conventions

The conventions for creating user documents include headings, sizing, and navigation to help identify the different sections contained in this document

# 2.0 Introductory kit

## 2.1 Summary of system features

TheWildVet is a hybrid software contains website and apps that allow clients track and manage information regarding their pets. Users can freely add, edit and delete their pet information in the software and on the website. Veterinarians can record users pet's medical information on the back end for both veterinarians and user check in the future.

This system is divided into three parts: front end, logic layer and back end.

1. The front end is the part of the website and app users can see and interact with.

2. The logic layer is the area where users can perform various tasks on the system as a connection between the other two layers.

3. The back end contains a database that contains all the data of the website and software, such as user data, pet medical detail and DSS etc. This layer is deployed on two cloud-based service providers by Heroku and Amazon RDS

图示

描述已自动生成

Figure 1. System overview design

## 2.2 Getting started guide

This section will describe the steps for general user and administrator to get started.

General users have two options to use this application : install in Android phone or view the website via any browser. TheWildVet apps is not available in other mobile platform except Android.

Web users only need to visit the website and use or create their account for login. After successful verification, the main page will be displayed and users can choose any function if they needs. Smart device users can also choose to download this application. After successful installation, an icon will appear on their device homepage and application list. Users can click the icon of TheWildVet to start the apps. Both require valid user credentials.

The administrator user is responsible for the maintenance of the software system, so it needs to have the ability to manage the database. This document will guide the administrator how to deploy the database of this program through Amazon RDS.

This is a list of the tasks user are able to perform in the website and apps.

App:

1. User login

2. User register

3. Forget password

4. Manage my pets details (add/edit/ share/delete)

5. View Vaccination detail

6. View Medication detail

7. View check-ups detail

8. View Parasite prevention detail

9. View news

10. Check veterinarian contact detail

11. Subscribe reminder

12. Account details manage (edit)

13. Basic decision support system

Website:

1. User login

2. User register

3. View pet’s detail

4. View check-ups and Parasite prevention detail

5. View Vaccination and Medication detail

These tasks will be explained in detail in the next section of this document

# 3.0 User manual – TheWildVet

This section provides users with a comprehensive view and guidance of all the screens user may encounter in this system. The list of screens allow a user to complete all of the task that described in the introductory kit.

The following table is a list of the different screens in the Android apps.

|  |  |
| --- | --- |
| **#** | **Service/Functionality** |
| 1 | User login |
| 2 | User register |
| 3 | Forget password |
| 4 | Home screen |
| 5 | Manage my pets details (add/edit/ share/delete) |
| 6 | View Vaccination detail |
| 7 | View Medication detail |
| 8 | View check-ups detail |
| 9 | View Parasite prevention detail |
| 10 | View news |
| 11 | Check veterinarian contact detail |
| 12 | Subscribe reminder |
| 13 | Account details manage (edit) |
| 14 | Basic decision support system |
| 15 | Navigation Bar |

Table 1. App Functionality

The following table is a list of the different screens on the website

|  |  |
| --- | --- |
| **#** | **Service/Functionality** |
| 1 | Home page |
| 2 | User login |
| 3 | User register |
| 4 | View pet’s detail |
| 5 | View check-ups and Parasite prevention detail |
| 6 | View Vaccination and Medication detail |

Table 2. Website Functionality

## 3.1 App - User login

This is the first page after the user loads the apps. It’s a simple screen allow a user to login, reset password and register a new account.

图形用户界面, 应用程序, Teams

描述已自动生成

Figure 2. App - User login screen

There have 5 possible actions here:

1. Entry valid credentials – this action will take the user to the main app page. This page will describe in section 3.4.

2. Enter In-valid credentials – this action will lead to unsuccessful login and show the error message to tell the user the credentials are not valid.

3. Forget password – click this word will take the user to the forget password page. This page will describe in section 3.3.

4. Register – click this button will take the user to the register page. This page will describe in the section 3.2

5. Exit – the app will fully shutdown.

## 3.2 App - User register

This is the screen for new user to register their account. The user can entry their username, password, select a name title, full name, email, address, and phone number. After filled in the details and click submit button. The user account will be created in few second, and user can able to login the system.

图形用户界面, 应用程序

描述已自动生成

Figure 3. App – User register screen

There have 3 possible actions here:

1. Register – After user filled in all the details. They can click the submit button for create the account.

2. Return – After clicking the return button, the user will return to the user login page which is described in section 3.1

3. Exit – the app will fully shutdown.

## 3.3 App - Forget password

This is the screen for user to reset their password. Users need to entry the right email address and username for reset the password. After successful verification, the user can entry the new password for their account.

图形用户界面, 应用程序

描述已自动生成

Figure 4. App – Forget password screen

图形用户界面, 应用程序

描述已自动生成

Figure 5. App – Set new password screen

There have 5 possible actions here:

1. Verification details – In Figure 4; After user filled in the email and username. They can click the next button for verify the details. If the verification is successful, the user will see the reset password page which showed in Figure 5. If the verification is failed, the user needs to re-entry the correct detail if they want to reset the password.

2. Reset password – After user successful pass the verification, the user will go to the reset password page which showed in Figure 5. In this page, user can choose to reset their password or back to the login page if they change their mind. If user decided to change the password and enter the new password, user can click the submit button and their password will update short time.

3. Return from verification page – In Figure 4; After clicking the return button, the user will return to the user login page which is described in section 3.1

4. Return from reset password page – In Figure 5; After clicking the return button, the user will return to the verification page which is the Figure 4.

5. Exit – the app will fully shutdown.

## 3.4 App - Home screen

This is the main screen for this app. After user successful login the system, they will see this page. This page contains all main functions that user may need to use.

图片包含 Teams

描述已自动生成

Figure 6. App – Home screen

There have 13 possible actions here:

1. My pets – After clicking the my pets button, user will go the my pets page which will be describe in section 3.5.

2. Vaccination – After clicking the vaccination button, user will go to the vaccination page which will be describe in section 3.6

3. Medication – After clicking the medication button, user will go to the medication page which will be describe in section 3.7

4. Check-ups – After clicking the Check-ups button, user will go to the Check-ups page which will be describe in section 3.8

5. News – After clicking the News button, user will go to the News page which will be describe in section 3.10

6. Parasite prevention – After clicking the Parasite prevention button, user will go to the Parasite prevention page which will be describe in section 3.9

7. Subscription – After clicking the subscription button, user will go to the subscription page which will be describe in section 3.12

8. Contact us – After clicking the Contact us button, user will go to the Contact us page which will be describe in section 3.11

9. Account setting – After clicking the Account setting button, user will go to the Account setting page which will be describe in section 3.13

10. Basic decision support system – Subscription – After clicking the Basic decision support system button, user will go to the Basic decision support system page which will be describe in section 3.14

11. Navigation Bar – On the top-left have a button, it allows user quickly to switch between different main functional pages, more details will be de describe in section 3.15

12. Return – After clicking the return button, the user will return to the user login page which is described in section 3.1

13. Exit – the app will fully shutdown.

## 3.5 App - Manage my pet’s details (add/edit/ share/delete)

This is the screen for manage pet’s detail. In this section, user can add, edit, delete, and share their pets. Most details will be describe in below.

图表, 漏斗图

描述已自动生成

Figure 7. App – My pets list screen

图形用户界面, 应用程序

描述已自动生成

Figure 8. App – Add new pet screen

图形用户界面, 应用程序

描述已自动生成

Figure 9. App – My pets detail screen

图形用户界面, 文本, 应用程序

描述已自动生成

Figure 10. App – Edit pet detail screen

图形用户界面, 应用程序

描述已自动生成

Figure 11. App – Share pet screen

There have 12 possible actions here:

1. Check my pets – In Figure 7, the screen will show all of the pets name by list in the screen, user can click the pet’s name for entry the pets detail page which showed on the Figure 9.

2. Add new pets – When the user clicks the add button in Figure 7, the user will see the add pet page which showed on the Figure 8. In this page, user can entry the pet’s name, type, gender, birth date, desex detail, notes and upload the picture. After user filled in all the details and click the submit button, the pet will add in the database in short time.

3. View pet’s detail – After user click the pet’s name in the Figure 7, the user will see the pet’s detail page which showed on the Figure 9. In this page, user can view the pet’s detail, such as name, type, picture, birth date etc. User also can select edit and share button which will take the user to the Figure 10 and Figure 11. User also can delete the pets via click the delete button which will immediately delete this pet from the database.

4. Edit pet’s detail – After user click the edit button from Figure 10, the apps will show the edit page which can allow user to edit any details from this pet and this page is showed in Figure 10. After user entry the new details for pet, they can click the submit button for update the pet’s detail.

5. Share pets – When user want to share their pet’s to other people, they can click the share button from Figure 9, then a beautiful screen will show which included every information from the pets and its showed in the Figure 11. After user click the save button, a screenshot of this page will be stored in the phone Gallery, so user can share the screenshot to anyone.

6. Navigation Bar – On the top-left have a button, it allows user quickly to switch between different main functional pages, more details will be de describe in section 3.15.

7. Return in my pet’s list screen– After clicking the return button, the user will return to the main system home page which is described in section 3.4.

8. Return in add pets screen – After clicking the return button, the user will return to my pets list page which is showed in Figure 7.

9. Return in my pet’s detail screen – After clicking the return button, the user will return to my pets list page which is showed in Figure 7.

10. Return in edit pet detail screen – After clicking the return button, the user will return to my pet’s detail page which is showed in Figure 9.

11. Return in share pet screen – After clicking the return button, the user will return to my pet’s detail page which is showed in Figure 9.

12. Exit – the app will fully shutdown.

## 3.6 App - View Vaccination detail

This is the screen for check the pet’s vaccination details. In this section, user can select the pet from the list for check the vaccination history. More details will be described in below.

图形用户界面, 漏斗图

描述已自动生成

Figure 12. App – vaccination screen

图形用户界面, 文本, 应用程序, 聊天或短信

描述已自动生成

Figure 13. App – vaccination list screen

表格

中度可信度描述已自动生成

Figure 14. App – vaccination detail screen

There have 7 possible actions here:

1. Select the pet – In Figure 12, the screen will show all the user’s pet in the list. User can click the pet’s name for checking the vaccination history which is showed in Figure 13.

2. Select vaccination history – In Figure 13, the screen will show the vaccines that all pets have received. User can click any one of the vaccination histories for view more vaccination details and it’s showed in Figure 14.

3. View vaccination details – In Figure 14, the screen will show all the vaccination history such as vaccination date, name, vet’s name, and the next due day.

4. Return in vaccination screen – After clicking the return button, the user will return to the main system home page which is described in section 3.4.

5. Return in vaccination list screen – After clicking the return button, the user will return to my vaccination page which is showed in Figure 12.

6. Return in vaccination detail screen – After clicking the return button, the user will return to vaccination list page which is showed in Figure 13.

7. Exit – the app will fully shutdown.

## 3.7 App - View Medication detail

This is the screen for check the pet’s medication details. In this section, user can select the pet from the list for check the medication history. More details will be described in below.

图形用户界面

描述已自动生成

Figure 15. App – Medication screen

图形用户界面, 文本, 应用程序

描述已自动生成

Figure 16. App – Medication detail screen

There have 7 possible actions here:

1. Select the pet – In Figure 15, the screen will show all the user’s pet in the list. User can click the pet’s name for checking the medication history which is showed in Figure 16.

2. View medication history – In Figure 16 the screen will show all the medication history such as product name and the purchase date.

4. Return in medication screen – After clicking the return button, the user will return to the main system home page which is described in section 3.4.

6. Return in medication detail screen – After clicking the return button, the user will return to medication page which is showed in Figure 15.

7. Exit – the app will fully shutdown.

## 3.8 App - View check-ups detail

This is the screen for check the pet’s check-ups details. In this section, user can select the pet from the list for check the check-ups history. More details will be described in below.

图形用户界面

描述已自动生成

Figure 17. App – Check-ups screen

图形用户界面, 应用程序

描述已自动生成

Figure 18. App – Check-ups list screen

表格

描述已自动生成

Figure 19. App – Check-ups history screen

There have 7 possible actions here:

1. Select the pet – In Figure 17, the screen will show all the user’s pet in the list. User can click the pet’s name for checking the Check-ups history which is showed in Figure 18.

2. Select Check-ups history – In Figure 18, the screen will show the Check-ups that all pets have received. User can click any one of the Check-ups histories for view more Check-ups details and it’s showed in Figure 19.

3. View Check-ups details – In Figure 19, the screen will show all the Check-ups history such as Check-ups type, date, the vet’s name and the notes from the vet.

4. Return in Check-ups screen – After clicking the return button, the user will return to the main system home page which is described in section 3.4.

5. Return in Check-ups list screen – After clicking the return button, the user will return to my vaccination page which is showed in Figure 17.

6. Return in Check-ups detail screen – After clicking the return button, the user will return to vaccination list page which is showed in Figure 18.

7. Exit – the app will fully shutdown.

## 3.9 App - View Parasite prevention detail

This is the screen for check the pet’s Parasite prevention details. In this section, user can select the pet from the list for check the Parasite prevention history. More details will be described in below.

图形用户界面

描述已自动生成

Figure 20. App - Parasite prevention screen

图形用户界面

描述已自动生成

Figure 21. App - Parasite prevention detail screen

There have 5 possible actions here:

1. Select the pet – In Figure 20, the screen will show all the user’s pet in the list. User can click the pet’s name for checking the Parasite prevention history which is showed in Figure 21.

2. View Parasite prevention history – In Figure 21 the screen will show all the Parasite prevention history such as purchase date, product name and the frequency of the product.

3. Return in Parasite prevention screen – After clicking the return button, the user will return to the main system home page which is described in section 3.4.

4. Return in Parasite prevention detail screen – After clicking the return button, the user will return to medication page which is showed in Figure 20.

5. Exit – the app will fully shutdown.

## 3.10 App - View news

This is the screen for check the latest news from TheWildVet. In this section, user can view any news.

图形用户界面, 应用程序

描述已自动生成

Figure 22. App – News screen

There have 3 possible actions here:

1. View news – In Figure 22, the screen included a small browser which will directly go to the TheWildVet website for user to view any latest news.

2. Return – After clicking the return button, the user will return to the main system home page which is described in section 3.4.

3. Exit – the app will fully shutdown.

## 3.11 App - Check veterinarian contact detail

This is the screen for check the TheWildVet contact detail. In this section, user can view all the details for contact TheWildVet

图形用户界面, 文本, 应用程序, 聊天或短信

描述已自动生成

Figure 23. App – contact detail screen

There have 3 possible actions here:

1. Check contact details – In Figure 23, the screen included the TheWildVet contact details such as email, phone number and the address.

2. Return – After clicking the return button, the user will return to the main system home page which is described in section 3.4.

3. Exit – the app will fully shutdown.

## 3.12 App - Subscribe reminder

This is the screen for subscribe the reminder. In this section, user can subscribe the reminder for parasite prevention and vaccination.

图形用户界面

描述已自动生成

Figure 24. App - Subscription screen

There have 3 possible actions here:

1. Subscription – In Figure 24, the screen included the function for subscribe the reminder for vaccination and parasite prevention and the parasite prevention latest news.

2. Return – After clicking the return button, the user will return to the main system home page which is described in section 3.4.

3. Exit – the app will fully shutdown.

## 3.13 App - Account details manage (edit)

This is the screen for the account setting. In this section, user can change their account details.

图形用户界面, 应用程序

描述已自动生成

Figure 25. App – Account setting screen

图形用户界面, 应用程序, Teams

描述已自动生成

Figure 26. App – Change user’s name screen

图形用户界面, 应用程序, Teams

描述已自动生成

Figure 27. App – Change email screen

图形用户界面, 应用程序, Teams

描述已自动生成

Figure 28. App – Change phone number screen

图形用户界面, 应用程序, Teams

描述已自动生成

Figure 29. App – Change address screen

图形用户界面, 应用程序, Teams

描述已自动生成

Figure 30. App – Change password screen

There have 9 possible actions here:

1. Account setting – In Figure 25, the screen included the 5 main functions for user use to change the account details.

2. Change user’s name – By select the “user name” in the Figure 5, user will see the user’s name change page which is showed in Figure 26. When user entry the new password and click the submit button, the new password will change and update in the screen once the database update succeeded.

3. Change email address – By select the “email address” in the Figure 5, user will see the email address change page which is showed in Figure 27. When user entry the new email and click the submit button, the new email will change and update in the screen once the database update succeeded.

4. Change phone number – By select the “phone number” in the Figure 5, user will see the phone number change page which is showed in Figure 28. When user entry the new phone number and click the submit button, the new phone number will change and update in the screen once the database update succeeded.

5. Change address – By select the “change address” in the Figure 5, user will see the change address page which is showed in Figure 29. When user entry the new address and click the submit button, the new address will change and update in the screen once the database update succeeded.

6. Change password – By select the “password” in the Figure 5, user will see the change password page which is showed in Figure 30. When user entry the new password and click the submit button, the new password will change and update in the screen once the database update succeeded.

7. Return in account settings – After clicking the return button, the user will return to the main system home page which is described in section 3.4.

8. Return in Change user’s name, Change email, Change phone number, Change address, Change password screen – After clicking the return button, the user will return to account setting page which is showed in Figure 25.

9. Exit – the app will fully shutdown.

## 3.14 App - Basic decision support system

This is the screen for basic decision support system. In this section, users can use this tool at any time to diagnose whether pets need to see a vet urgently.

图形用户界面, 应用程序

描述已自动生成

Figure 31. App – DSS screen

图形用户界面, 应用程序, Teams

描述已自动生成

Figure 32. App – DSS details screen

文本

中度可信度描述已自动生成

Figure 33. App – DSS result screen

图形用户界面, 应用程序

描述已自动生成

Figure 34. App – DSS edit answer screen

There have 6 possible actions here:

1. DSS – In Figure 31, the screen included Decision Support System (DSS) which can help user to diagnose their pet’s for whether need to see a vet urgently or not. Right now, there just only have two option, one is for Breathing and one is for Vomiting/Diarrhea. User can click any one of option to answer more question which is showed in Figure 32.

2. DSS detail – In Figure 32, the screen included many question for user to answer. Base on the answer, the DSS can tell diagnose the pet’s situation without contact the vet. Once the result is ready, the page will show the result and tell the user, and its showed in Figure 33.

3. DSS result – In Figure 33, the screen included the result from the DSS that based on the user’s answer. User can click the case detail button for more details which is showed in Figure 34. User also can start a new case for diagnose more question via click the start new case button which will back to the Figure 31 screen.

4. DSS edit – In Figure 34, the screen included the answer that have been select by user, so user can change the answer if they select the wrong answer previously. User can also start a new case via click the start new case button which will back to the Figure 31 screen.

5. Return – After clicking the return button, the user will return to the DSS home page which is showed in Figure 31.

6. Exit – the app will fully shutdown.

## 3.15 App - Navigation Bar

This is the screen for the navigation bar. In this section, users can use navigation bar for quickly jump to different pages

图形用户界面, 应用程序

描述已自动生成

Figure 35. App – navigation bar screen

There have 3 possible actions here:

1. Navigation bar – In Figure 35, the screen included a navigation bar which included all function’s/icon from the home page. So, user don’t need to back to the home page for select other function, and they can do it via navigation bar.

2. Return – After clicking the return button, the user will return to the main system home page which is described in section 3.4.

3. Exit – the app will fully shutdown.

## 3.16 Website – Home page

This is the screen for the website home page. In this section, users view the contact details of Veterinarian, register an account, and login to manage the pet’s detail.

猫的照片上写着字

描述已自动生成

Figure 36. Web – Home page screen

There have 4 possible actions here:

1. Contact us – User can view the page for the veterinarian’s contact detail

2. Our services/About our clinic – User can view the page to know what the veterinarian can do and what services may include.

3. User login – User can login the account via click the log in. And it will describe more details in section 3.17

4. User register – User can register a new account via click the Join us. And it will describe more details in section 3.18

## 3.17 Website - User login

This is the screen for the login the website. In this section, users can entry the valid credentials for login into the pet manage.

图形用户界面, 网站

描述已自动生成

Figure 37. Web – Login screen

There have 2 possible actions here:

1. Entry valid credentials – this action will take the user to the main pet manage web page. This page will describe in section 3.19.

2. Invalid credentials – this action will lead to unsuccessful login.

## 3.18 Website - User register

This is the screen for account register on the website. In this section, users can register an account by fill in the details, such as title, full name, address etc. The user account will be created in few second, and user can able to login the system.

图形用户界面

描述已自动生成

Figure 38. Web – register screen

There have 1 possible action here:

1. Register – After user filled in all the details. They can click the sign up button for create the account.

## 3.19 Website - View pet’s detail

This is the screen for the pet detail of website. In this section, user can view their account detail and the pet’s detail.

图形用户界面, 表格

描述已自动生成

Figure 39. Web – main account/pet page screen

There have 4 possible actions here:

1. Pets – All the pet details are showed in the page, so user can easy find out their pet’s detail.

2. Account detail – the account detail is showed in the left of the website which included username, title, full name, and the email address.

3. Check-up and parasite prevention – If the user wants to check their pet’s check-up and parasite prevention history, they can click the link for view the history, the section 3.20 will describe more details.

4. Vaccination and medication – If user want to view the pet’s vaccination and medication details, they can click the link for more details. The section 3.21 will describe more details.

## 3.20 Website - View check-ups and Parasite prevention detail

This is the screen for the check-ups and parasite on the website. In this section, user can view their pet’s check-ups and parasite prevention history

图形用户界面

描述已自动生成

Figure 40. Web – Check-ups and parasite prevention screen

There have 1 possible action here:

1. check-ups and parasite – User can easily view all the check-ups and parasite detail from their pet’s.

## 3.21 Website - View Vaccination and Medication detail

This is the screen for the vaccination and medication on the website. In this section, user can view their pet’s vaccination and medication history

图形用户界面

描述已自动生成

Figure 41. Web - vaccination and medication screen

There have 1 possible action here:

1. Vaccination and medication – By entry the pet’s ID, user can view all the vaccination and medication from the pet.

# 4.0 Installation guide

TheWildVet is a hybrid software contains website and apps and needs to be deployed to some sort of online service. The System Administration Guide gives a guide of instructions about how to deploy the project to Amazon RDS and Heroku web services - but any other similar online deployment service would also be allowable.

# 5.0 System administrator guide

**For Amazon RDS:**

Step 1: Sign up an Amazon Aws account or log in an existing one.

Step 2: Create a database

图形用户界面, 文本, 应用程序, Teams

描述已自动生成

Figure 42. Amazon RDS home page

图形用户界面, 应用程序

描述已自动生成

Figure 43. Amazon RDS create

Remember select the MySQL for the database.

图形用户界面, 文本, 应用程序, 电子邮件

描述已自动生成

Figure 44. Amazon RDS create - size

There is a free tier database for RDS so you don’t need to pay for the database.

Step 3: After about 30 mins your database will finish built. And you can click it in for understand more details.

图形用户界面, 文本, 应用程序

描述已自动生成

Figure 45. Amazon RDS create list

Step 4: Go to the Snapshots on the left site. And select the public.

图形用户界面, 应用程序

描述已自动生成

Figure 46. Amazon RDS snapshot list

Step 5: Search a snapshots call “thewildvet-full-data-backup”. And click restore snapshot.

图形用户界面, 应用程序, Teams

描述已自动生成

Figure 47. Amazon RDS snapshot

Step 6: After waiting of restore data, the data will load into your database and your database is good to go and ready to use. Don’t forget to change the database username and password.

图形用户界面, 应用程序

描述已自动生成

Figure 48. Amazon RDS database done

**For Heroku:**

Step 1: Sign up an Heroku account or log in an existing one.

Step 2: Create an app

图形用户界面, 文本, 应用程序, 电子邮件, Teams

描述已自动生成

Figure 49. Heroku app list

图形用户界面, 文本, 应用程序, 电子邮件, Teams

描述已自动生成

Figure 50. Heroku app create

Step 3: Download our website source code

Step 4: Follow the common for deploy the website

图形用户界面, 文本, 应用程序, 电子邮件

描述已自动生成

Figure 51. Heroku app create instruction

Step 5: After deployed, the website is good to go and ready to use.

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# 7.0 Bibliography

·CSE3PRA & CSE3PRB Industry Project – 2021 HandBook

·Wikipedia for:

Amazon RDS

CSS

HTML

HTTP

JS

SQL

MySQL

WireframePRO

Android studio

Bootstrap

ER

Java

Kotlin

Heroku

# 8.0 Glossary

**Agile**

Agile software development describes a software development method in which requirements and solutions are developed through collaborative, self-organizing and cross-functional teams and their customers/end users.

**Amazon RDS**

Amazon Relational Database Service (Amazon RDS) makes it easy to set up, operate, and scale a relational database in the cloud

**CSS**

CSS is the language we use to style an HTML document. CSS describes how HTML elements should be displayed

**JS**

Javascript (JS) is a scripting languages, primarily used on the Web. It is used to enhance HTML pages and is commonly found embedded in HTML code. JavaScript is an interpreted language.

**WireframePro**

WireframePro is the leading tool for designing User Interface blueprints for websites and apps. It includes ready-made UI components for iOS, Android, Web, Bootstrap, WatchOS.. etc

**Android Studio**

Android Studio provides a unified environment where you can build apps for Android phones, tablets, Android Wear, Android TV, and Android Auto. Structured code modules allow you to divide your project into units of functionality that you can independently build, test, and debug

**Heroku**

Heroku is a platform as a service (PaaS) that enables developers to build, run, and operate applications entirely in the cloud

# 9.0 Index

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