Weather Application User Stories

ADV. SOFTWARE ENGINEERING CS-604-A

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⛈**Weather** Application User Stories

Splash Screen	
Story ID #: 1	**Description:** As an end-user, I need to have a splash screen for the application.

Tasks	Estimated Time
• Use built-in function called launch image	2 Hours
• Static images in different sizes for different devices	2 Hours
• Review the Source Code	2 Hours

Test Plan:
- Splash Screen should be disappeared after 2 seconds.
- Splash Screen should contains app logo.
- Splash Screen should contains app name.

First Time Using the App	
Story ID #: 2	**Description:** As an end-user and at the first time I use the application I need the option to determine my current location either using GPS, or by choosing my location from city list.

Tasks	Estimated Time
• Building Screen API	3 Hours
• Testing the API	1 Hours
• Creating Screen ViewController	2 Hours
• Determine location by GPS	1 Hours
• Determine location by mobile phone	1 Hours
• Determine location by choosing form city list	1 Hours
• Review the Source Code	2 Hours

Test Plan:

- Verify that the end-user should be enabled to display the current location weather from the side menu.
- Verify that the location services setting is enabled before
- If the location services setting is disabled, alert the end-user to re-directing him to the device setting to switch it on.
- If the user enables the location services, the current location will be based on the determined location with location services.
- If user skipped the enabling step, and declined the location services, system will show a list includes all cities in the app to select one of them to be his current location. (only one choice).
- If the end-user chooses to display the current location, the name and the weather information of this location will be updated in the home screen immediately
- In case that there is no internet connection, A screen should be displayed to the user that there is no internet connection.
- Once there is a good connection, APIs should be called in a background thread and user should be able to select his location.

Current Location

Story ID #: 3	Description: As an end-user, I need to have the option of determining my current location using GPS API, so that I can follow up the weather in my current location.

Tasks	Estimated Time
• Building Screen API	3 Hours
• Testing the API	1 Hours
• Creating Screen ViewController	2 Hours
• Determine location by GPS API from Google, Yahoo, or Weather Underground.	1 Hours
• Using CoreLocation.framework to let the iOS device determine its location (e.g. latitude and longitude)	1 Hours
• Review the Source Code	2 Hours

Test Plan:
- Verify that the location services setting is enabled before.
- If the GPS setting is disabled, alert the end-user to re-directing him to the device setting to switch it on. (check other apps).

- Verify that the end-user should be enabled to display the current location weather from the side menu.
- If the end-user chooses to display the current location, the name and the weather information of this location will be updated in the home screen immediately.
- If user declined location permission, system will show a list includes all cities in the app. to select one of them.
- User is allowed to select one city only as his current location for the first time of displaying the list.

In case that there is no internet connection, A screen should be displayed to the user

System Messages:
Alert Message to inform the end-user to check the setting of the location services. " Please turn on location services in your device setting".

Home Screen

Story ID #:4	**Description:** As an end-user, I need to have a home screen, so that I can view weather information of specific location **Selected location either for:** - Current location - Another selected location from search result.

Tasks	Estimated Time
• Building Home Screen API	3 Hours
• Testing the API	1 Hours
• Creating Home Screen ViewController	2 Hours
• Show weather information of specific location by current location, Another selected location form search result.	3 Hours
• Determine location by GPS API from Google, Yahoo, or Weather Underground.	4 Hours
• Using CoreLocation.framework to let the iOS device determine its location (e.g. latitude and longitude)	1 Hours
• Review the Source Code	2 Hours

Test Plan:
- Verify that the name of the selected location is displayed.
- Verify that the name of the selected location is written as founded in google map.

- Verify that the weather condition is displayed clearly in the form of (Weather Description, and Weather condition Symbol)
- e.g. of **Weather Condition Symbol:** ☀ for sunny weather
- **Weather Description:** Sunny, Cloudy, etc. (list of conditions)
- Verify that current temperature of the selected location is displayed in the form of (Degree in numbers followed by the unit in Celsius e.g. (18°)
- Verify that Right- Now section is displayed as a part of home screen

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Home Screen: Weather Right-Now

Story ID #:5	**Description:** As an end-user, I need to be able to view the right-now weather information, so that I can check What are going with weather now. **Weather right-now Information:** • Pressure (Unit: mb) • Wind speed (Unit: KMH) • wind Direction • dew point (Unit: Celsius degree) • humidity (Unit: %) • sunrise and sunset (Unit: time 00:00 AM/ PM) • Visibility (Unit: mi)

Tasks	Estimated Time
• Building Home Screen API	3 Hours
• Testing the API	1 Hours
• Creating Home Screen ViewController	2 Hours
• Show weather right-now information.	3 Hours
• Use API's from Google, Yahoo, or Weather Underground.	4 Hours
• Review the Source Code	2 Hours

Test Plan:
- Make sure to display pressure with the unit of (mb) and should be updated correctly.
- Make sure to display Wind speed with the unit of (KMH) and should be updated correctly.
- Make sure to display wind direction, and should be updated correctly
- Make sure to display dew point with the unit of (Celsius degree) and should be updated correctly.

- Make sure to display humidity with the unit of (%) and should be updated correctly.
- Make sure to display sunrise followed by (AM/ or PM), and should be updated correctly.
- Make sure to display sunset followed by (AM/ or PM), and should be updated correctly.
- Make sure to display visibility with the unit (mi) and should be updated correctly.
- Verify that the units are correctly displayed in the form of (The expected data followed by unit).
- Make sure that the updated time for this information should be displayed at the top of this section (e.g. updated a moment ago)

Forecasts: Weather next 24 hours	

Story ID #: 6	**Description:** As an end-user, I need to be able to view the expected weather using its current temperature degree, and condition hour by hour during the current day.

Tasks	**Estimated Time**
• Building Weather next 24 Screen API	3 Hours
• Testing the API	1 Hours
• Creating Weather next 24 ViewController	2 Hours
• Use API's from Google, Yahoo, or Weather Underground.	4 Hours
• Show weather information hour by hour during the current day.	3 Hours
• Review the Source Code	2 Hours

Test Plan:
- Verify that a block of hours should be displayed hour by hour starting from the next coming hour until the end of the day, and in the form (Hour: 00 AM/ PM)

e.g. the current hour is (3 PM): the application should display hours starting from (4 PM) and until the end of the day.

- Verify that the Celsius current temperature degree for each hour is displayed correctly
- Verify that the unit of Celsius degree is displayed (e.g. 18°)
- Verify that the weather condition of each hour is displayed correctly (e.g. ☀ for sunny weather)

Forecasts: Weather next 5 days

Story ID #:7	**Description:** As an end-user, I need to be able to view a block of the weather information for the next 5 days using day name, their max and min temperature, weather condition symbol, and weather description for each day.

Tasks	Estimated Time
• Building Weather next 5 days Screen API	3 Hours
• Testing the API	1 Hours
• Creating Weather next 5 days Screen ViewController	2 Hours
• Use API's from Google, Yahoo, or Weather Underground.	4 Hours
• Show forecasts: weather information for next 5 days.	3 Hours
• Review the Source Code	2 Hours

Test Plan:
- Verify that a block of next 5 days is appeared in the correct order, starting from the current day up to 5 days.
- Verify that the end-user should be enabled to view the following in each line of the block:
- The day name is displayed
- The max temperature is displayed and, in the form, (Degree in Celsius followed by the unit)
- The min temperature is displayed (Degree in Celsius followed by the unit)
- The weather condition symbol is displayed (e.g. ☀)
- The weather Description is displayed (e.g. sunny, cloudy, … etc.)

Weather Warnings

Story ID #: 8	**Description:** As an end-user, I need to be able to view the weather warning information of the selected location. **Weather Warning Information:** • Announcement Location • Region: (Where the warning locates) • Announcement number • Status:

• Status Description • Starting Date: (Date & Time) • Ending Date: (Date & Time)	

Tasks	Estimated Time
• Building Weather Warnings Screen API	3 Hours
• Testing the API	1 Hours
• Creating Weather Warnings Screen ViewController	2 Hours
• Use API's from Google, Yahoo, or Weather Underground.	4 Hours
• Show weather warning information of selected location.	3 Hours
• Review the Source Code	2 Hours

Test Plan:
- Verify that this screen is displayed only in the case of there is currently a warning in the selected location.
- Verify that the information is displayed correctly
- Verify that the Starting Date is displayed in the form of (Hour: Minute AM/or PM, followed by "," followed by Day Name followed by "," followed by Date (Day/ Month/ Year))
- e.g. (01:00 AM, Monday, 15/10/2015)
- Verify that the Ending Date is displayed in the form of (Hour: Minute AM/or PM, followed by "," followed by Day Name followed by "," followed by Date (Day/ Month/ Year))
- e.g. (01:00 AM, Monday, 15/10/2015)
- Verify that the warning screen should be disappeared after exceeding the ending date and time of the status.
- If there is a warning in any city, user should noticed by the warning in the home screen of the city by adding some symbol or animation in the screen

Map with Temperature and Warning Symbol	
Story ID #:9	**Description:** As an end-user, I want to be able to view the current temperature degree for each city on world map, so that I can take an overview of country temperatures
Tasks	**Estimated Time**

Tasks	Estimated Time
• Building Map with Temperature and Warning Symbol Screen API	3 Hours
• Testing the API	1 Hours
• Creating Map with Temperature and Warning Symbol Screen ViewController	2 Hours
• Review the Source Code	2 Hours

Test Plan:
- Displayed world map will be separated in side navigation menu.
- Make sure that there is a tab for temperature and warning in map screen, and end-user can access this tab.
- Verify that temperature degree with its unit is indicated for each city that is stored in backend. (in the form: Degree in Celsius followed by the unit)
- If there is a warning in some cities indicate their warning symbol next to temperature symbol.
- Once user click on a warning pin for any city, he should be able to view warning's info in city page (takes user by scrolling to warning card).
- Once user click on a temperature pin for any city, he should be able to view warning's info in city page.
- Cities' temperature list should be updated every time user opens the screen.

Search by location name	

Story ID #:10	**Description:** As an end-user I want to be able to search about any location by its name, so that I have ability to find the location I want to check weather for.

Tasks	Estimated Time
• Building Screen API	3 Hours
• Testing the API	1 Hours
• Creating Screen ViewController	2 Hours
• Review the Source Code	2 Hours

Test Plan:

- Search suggestions list should be displayed starting after the user write the first letter.
- Search will done from client side.
- Search suggestions list should be ordered alphabetically
- Make sure that any suggestion should be click-able.

- Make sure to navigate the user to the home screen of the selected location from the suggestions list.
- Make sure that there are no suggestions displayed if the end-user search about non-available location in the backend.
- Suggestions list should be matched with the enabled categories (cities).

Mark location as a favorite

Story ID #:11	**Description:** As an end-user, I want to have the option of add any location (Current city, other city) as a favorite location,

Tasks	Estimated Time
• Building Screen API	3 Hours
• Testing the API	1 Hours
• Creating Screen ViewController	2 Hours
• Review the Source Code	2 Hours

Test Plan:
- Make sure that a "mark as a favorite" button is listed in the action list of the city screen
- The end-user should be enabled to clicks-on the button to add the location to the favorite list
- Once the end-user marks any location as a favorite, the list should be updated immediately.
- The end-user should be enabled to unmark any of the locations, if he clicks-on the "mark as a favorite "button again, the list will be updated again, and the unmarked location should be disappeared.

Favorite list

Story ID #:12	**Description:** As an end-user, I want to be able to view list of my Favorite locations, so that I can view their weather easily any time.

Tasks	Estimated Time
• Building Screen API	3 Hours
• Testing the API	1 Hours

• Creating Screen ViewController	2 Hours
• Review the Source Code	2 Hours

Test Plan:
- Make sure that the favorite list is accessible from side menu
- Make sure that the end-user should enabled to view the list of all favorite locations by the displaying the following for each line:
  - Location Name (e.g. New York, London, Riyadh, etc.)
  - Clickable delete button to enable the end-user to delete any location from the list.
- Make sure that If the end-user clicks-on delete button, the location should deleted from the list
- Make sure that the list is updated correctly if any location marked or unmarked as a favorite.
- Make sure that each favorite location is clickable to navigate the end-user to its home screen.

Weather News	
Story ID #:13	**Description:** as an end-user, I need to be able to view list of news about weather in his Favorite list.

Tasks	Estimated Time
• Building Screen API	3 Hours
• Testing the API	1 Hours
• Creating Screen ViewController	2 Hours
• Use API's from Google, Yahoo, or Weather Underground.	4 Hours
• Review the Source Code	2 Hours

Test Plan:
- Make sure to order the list based on the uploaded date and time
- Each news in the list is clickable
- The end-user should be enabled to view the page of the news to read it after he clicks-on it,
- Make sure to display the following information of the news if it would be maximized:
- - News Name
- - News Body
- - News date

- - News time
- News location
- The end-user should be enabled to close the news to be re-directed to the list again

Share Link of the Application

Story ID #: 14	Description: As an end-user, I need to have the ability of sharing the link of the application using the sharing Kit.

Tasks	Estimated Time
• Building Screen API	3 Hours
• Testing the API	1 Hours
• Creating Screen ViewController	2 Hours
• set up your *Info.plist*	2 Hours
• Importing App Data	3 Hours
• Exporting App Data	4 Hours
• Review the Source Code	2 Hours

Test Plan:

- End-user should be enabled to choose the application to share.
- Shared Message " Weather App + App link"

Share Contents

Story ID #:15	Description: As an end-user, I need to have the ability of sharing the content of (Home Screen, Weather Forecasts, Weather Warning) on different social accounts.

Tasks	Estimated Time
• Building Screen API	3 Hours
• Testing the API	1 Hours
• Creating Screen ViewController	2 Hours

• set up your *Info.plist*	2 Hours
• Importing App Data	3 Hours
• Exporting App Data	4 Hours
• Review the Source Code	2 Hours

Test Plan:
- Share button should be appeared (Home screen, forecasts, warning,)
- Sharing message for Home screen " Weather App name + The weather today in + location name+ is + temperature degree + weather condition"
- Sharing message for Forecasts " Weather App name + The weather forecasts for this + Day in + location name+ is + temperature degree + weather condition + humidity + wind speed wind direction + air pressure"
- Sharing message for Warning " Weather App name +Watch out!! There is a warning in + location name+ which is + status + status description"

Poll (Rating inside the app)

Story ID #:16	**Description:** As an end-user, I want to rate the application by answering the given three questions, So I can help in improving the quality of the application later.

Tasks	**Estimated Time**
• Building Screen API	3 Hours
• Testing the API	1 Hours
• Creating Screen ViewController	2 Hours
• iRate library	3 Hours
• Review the Source Code	2 Hours

Test Plan:
- Make that the end-user can answer by yes/or no on the following three questions:
- Make sure to display the results of users in percentage

Questions:
1. Did you take a benefit from the application?
2. Have you increase your awareness of weather?

System Messages:
Alert message when the end-user submits his answers " Thank you for your answer".

About App	
Story ID #:17	**Description:** As an end-user, I want to have the option to read a brief description about the application and its goal.

Tasks	Estimated Time
• Building Screen API	3 Hours
• Testing the API	1 Hours
• Creating Screen ViewController	2 Hours
• Review the Source Code	2 Hours

Test Plan:
- Verify that the option of about app is accessible from the side menu.
- Verify that the content of the description is displayed

Privacy of Policies	
Story ID #:18	**Description:** As an end-user, I want to be able to read the Privacy of Policies of the application.

Tasks	Estimated Time
• Building Screen API	3 Hours
• Testing the API	1 Hours
• Creating Screen ViewController	2 Hours
• Use iubenda.com to generator privacy policy	3 Hours
• Review the Source Code	2 Hours

Test Plan:
- Verify that the option of Privacy of Policies is accessible from the side menu.
- Verify that the content is displayed.

Notification Setting	

Story ID #:19	**Description:** As an end-user, I want to be able to switch the warning, and forecasts notifications for the current location, or favorite locations on/off.

Tasks	Estimated Time
• Building Screen API	3 Hours
• Testing the API	1 Hours
• Creating Screen ViewController	2 Hours
• Enabling the Push Notification Service	4 Hours
• Registering for Push Notifications	2 Hours
• Creating an SSL Certificate and PEM file	3 Hours
• Sending a Push Notification	3 Hours
• Handling Notification Actions	3 Hours
• Silent Push Notifications	3 Hours
• Review the Source Code	2 Hours

Test Plan:
- Make sure to allow the end-user to switch the forecasts for the current location on/off.
- Make sure to allow the end-user to switch the forecasts for the favorite locations on/off.
- Make sure to allow the end-user to switch the warnings for the current location on/off.
- Make sure to allow the end-user to switch the warnings for the favorite locations on/off.
- Make sure that if the end-user switch forecasts notifications for current location off, he shouldn't receive any notification about it, and the default case is on.
- Make sure that if the end-user switch forecasts notification for favorite locations off, he shouldn't receive any notification about it, and the default case is on.
- Make sure that if the end-user switch warning notifications for current location off, he shouldn't receive any notification about it, and the default case is on.
- Make sure that if the end-user switch warning notification for favorite locations off, he shouldn't receive any notification about it, and the default case is on. For fav. locations, user can enable/ disable notification for each location.

Push Notification: Notifications for current location

Story ID #:20	Description: As an end-user, I need to receive notification for weather forecasts of my current locations

Tasks	Estimated Time
• Building Screen API	3 Hours
• Testing the API	1 Hours
• Creating Screen ViewController	2 Hours
• Enabling the Push Notification Service	4 Hours
• Registering for Push Notifications	2 Hours
• Creating an SSL Certificate and PEM file	3 Hours
• Sending a Push Notification	3 Hours
• Handling Notification Actions	3 Hours
• Silent Push Notifications	3 Hours
• Review the Source Code	2 Hours

Test Plan:
- Make sure the notifications are received in the notification list of the device
- Make sure to push the notification once the information is updated in the backend at the beginning of each day,
- Forecasts notification message contains the following:
- App logo
- Location name
- Title: Look! Weather around you!
- Temperature degree in Celsius

- Weather condition symbol (e.g. ☀)
- Make sure that if the end-user clicks on the notification message, he should be redirected to the application home screen for the current location.

⛈ **Weather** Dashboard User Stories

<table>
<tr>
<td colspan="2" align="center">Accessing Dashboard: Log-in</td>
</tr>
<tr>
<td>Story ID #:21</td>
<td>Description:
As an admin, I need to be able to log-in to dashboard with my registered email, and password.</td>
</tr>
</table>

Tasks	Estimated Time
• Building Login API	3 Hours
• create a new php file	4 Hours
• Testing the API	1 Hours
• Creating Login ViewController	2 Hours
• connect the views with your ViewController.swift file	4 Hours
• Creating Profile ViewController	4 Hours
• Making Login	2 Hours
• Review the Source Code	2 Hours

Test Plan:
- Users will be added previously to database with default password.
- Admin should be enabled to click-on "log-in/ or Sign-in" button.
- Verify that the admin try to log-in with a valid email (name@domain.xxx)
- Verify that the admin try to log-in with a correct registered email
- Verify that the admin try to log-in with a valid correct password
- Password field should be reset if the admin try to log in with incorrect one.
- Verify that admin shouldn't login with an empty field.
- After changing password, admin should be redirected to dashboard home page.

System Messages:
- Error Message " you entered an invalid email, Please try again", when entered an invalid mail not as (name@domain.xxx)
- Error Message "you entered not registered email, Please try again ", when entered an incorrect not registered email
- Error Message "you entered invalid password, Please try again ", when entered an incorrect password
- Error Message "" when user leave any empty field.

Forget Password	
Story ID #:22	**Description:** As an Admin, I need to be able to reset my password when I forgot it, so that I can log in to dashboard with another one.

Tasks	Estimated Time
• Building Screen API	3 Hours
• Testing the API	1 Hours
• Creating Screen ViewController	2 Hours
• Review the Source Code	2 Hours

Test Plan:
- Admin should be enabled to click-on "Forget Password" link.
- Verify that "Forget Password" link is available on log-in screen.
- "Forget Password" appeared as a hyperlink.
- Admin should be redirected to a new page which is "Forget password" page.
- Admin should be enabled to enter his registered email to reset the password.
- Verify that the admin enters a valid registered email.
- Admin should be enabled to choose "reset" button to reset the password.
- Reset link should be sent to the admin email.
- Admin should be redirected to web page to reset the password when clicks on the received link.
- Admin should be enabled to enter new password/ and confirm that password again.
- Verify that the two-entered password are correctly the same.
- Admin should be enabled to click-on " Reset" button, to confirm the changes.
- log in page should be displayed after the password reset.
- Admin should be enabled to log-in with the newly password.
- Admin should be enabled to re-request a reset link again.
- Password link should be invalid after 24 hours.
- Make sure to display that the link isn't valid for the user if he try to open invalid email.

System Messages:
- Alert message should be displayed for alerting the admin to check his email to find out the reset link.
- Error message " invalid email", when admin enters an invalid not registered email
- Error message " two entered passwords are not the same", when entered a new password differently from the confirm password.
- Alert message to confirm the admin that his password is changed after the successful resetting password.

Home Page	
Story ID #:23	**Description:** As an admin, I need to have a homepage where all statistics in charts.

Tasks	Estimated Time
• Building Home API	3 Hours
• Testing the API	1 Hours
• Creating Home page ViewController	2 Hours
• Review the Source Code	2 Hours

Test Plan:
- After a successful login, the admin should be redirected to the home page.
- Make sure that there are statistics in Pie charts for number of downloads, top 5 used featured, user ratings numbers, and locations reports.
- Home page is accessible from the side menu.
- The reports tables will be click-able to redirect the admin to the detailed reports.

Home Screen: Number of Downloads	
Story ID #:24	**Description:** As an admin, I need to be able to view the number of downloads.

Tasks	Estimated Time
• Building Screen API	3 Hours
• Testing the API	1 Hours
• Creating Screen ViewController	2 Hours
• Analytics uses CocoaPods	4 Hours
• Include the necessary headers.	3 Hours
• Set the Analytics tracker	1 Hours
• Add screen tracking	5 Hours
• Review the Source Code	2 Hours

Test Plan:

- A pie chart should be displayed indicating number of downloads.
- Make sure to show the total number of downloads.

Change Password

Story ID #:25	**Description:** As an admin, I need to have an option to change my password of my account, so that I could make it more secure.

Tasks	Estimated Time
• Building Change Password API	3 Hours
• create a new php file	4 Hours
• Testing the API	1 Hours
• Creating Change Password ViewController	2 Hours
• Connect the views with your ViewController.swift file	4 Hours
• Creating Profile ViewController	4 Hours
• Making Change Password	2 Hours
• Review the Source Code	2 Hours

Test Plan:
- "Change password" option should be available in profile page.
- Admin should be enabled to verify his current password.
- Admin should be enabled to enter his new password.
- Admin should be enabled to confirm his new password.
- Make sure to display hint message for allowed password format.
- Verify that the password not less than 8 characters, contains at least one Capital and one Small letters, and contains at least one Number
- Verify that the two entered new password, and confirm password are the same.
- Verify that the password is changed once the admin choose to "change" button

System Messages:
- Error message " the password and confirm password don't match", when the entered new password, and confirm password are not the same
- Error message in case of wrong password.
- Error message in case user left one or more fields empty.

Log-Out

Story ID #:26	**Description:** As an admin, I need to have the ability to log out from the dashboard, so that I can become out of dashboard control.

Tasks	Estimated Time
• Building Logout API	3 Hours
• Create a new php file	4 Hours
• Testing the API	1 Hours
• Creating Logout ViewController	2 Hours
• Connect the views with your ViewController.swift file	4 Hours
• Creating Profile ViewController	4 Hours
• Making Logout	2 Hours
• Review the Source Code	2 Hours

Test Plan:
- Admin should be enabled to click-on "log-out" button.
- Admin should be redirected to log-in page again after successful log-out (when click on "yes" in confirmation message).
- Confirmation message should be disappeared if admin click on "no".

System Messages:
Confirmation message should be displayed with two buttons (Yes/ or No) to confirm the admin before log-out.

Top 5 Features Used

Story ID #:27	**Description:** As an admin, I need to be able to view the top 15 used features of the application.

Tasks	Estimated Time
• Building Logout API	3 Hours
• Create a new php file	4 Hours

• Testing the API	1 Hours
• Creating Logout ViewController	2 Hours
• Analytics uses CocoaPods	4 Hours
• Include the necessary headers.	3 Hours
• Set the Analytics tracker	1 Hours
• Add screen tracking	5 Hours
• Review the Source Code	2 Hours

Test Plan:
- • Make sure to view the following for each feature:
- - Feature name
- - Number of Users that use this feature
- - Rank
- • Verify that the features are ordered in descending way based on number of users that user the feature.
- • Search field to search about any feature by start typing the name of feature

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User Rating	
Story ID #:28	**Description:** As an admin, I need to be able to view summary of the users' answers on the 3 questions that rate the application using.

Tasks	Estimated Time
• Building user rating API	3 Hours
• Create a new php file	4 Hours
• Testing the API	1 Hours
• Creating Rating ViewController	2 Hours
• iOS Cocoa Touch Framework	1
• NSUserDefaults	2
• NSNotifications and NSNotificationCenter	4
• Swift and Objective C interoperability	4

Weather Application

• Review the Source Code	2

Test Plan:
Charts that contains the three questions and for each the number of users that answer by yes, or no.