Software Requirements Specification

Function is Schedule(시간표)

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<<Any comments inside double brackets such as these are *not* part of this SRS but are comments upon this SRS example to help the reader understand the point being made.

Refer to the SRS Template for details on the purpose and rules for each section of this document.

This work is based upon the submissions of the Spring 2004 CS 310. The students who submitted these team projects were Thomas Clay, Dustin Denney, Erjon Dervishaj, Tiffanie Dew, Blake Guice, Jonathan Medders, Marla Medders, Tammie Odom, Amro Shorbatli, Joseph Smith, Jay Snellen, Chase Tinney, and Stefanie Watts. >>

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# 1.0. Introduction

## 1.1. Purpose

Our purpose is developing responsibility Software to take advantage Software Requirement Specification(S  
RS). SRS is described in useful hanyang web page for providing hanyang student

## 1.2. Scope of Project The people who need to check student schedule in application. Our Application is helpful to check student schedule.

## 1.2.1 Objective

To develop a Web Application to help for student who need to check student schedule.

## 1.3. Glossary

|  |  |
| --- | --- |
| **Term** | **Definition** |
| Show User's schedule | show in the modified time schedule |
| Save down schedule | Save the schedule file in the android folder |
| Log in page | Log in schedule page for showing personal student information |
| Share Schedule | Sharing the Schedule for user's friends |
| Highlight View | Highlight View when the time event occurs |
| Add User Schedule | Add the user schedule to Student Schedule |

## 1.5. Overview of Document The next chapter is the Overall Description section that provide the functionality of project regarding schedule page. The third chapter is Requirements Specification section that write describes in technical terms the details of the functionality of the product.

## 2.0 Overall Description

**2.1 System Environment**

Our web application has one active actor and one cooperating system. The user access the Student Schedule through the internet. User accesses the user’s student schedule for login throughout the internet.

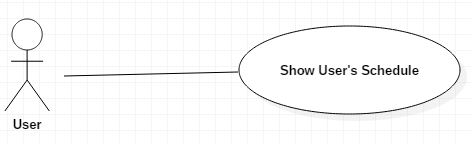
**2.2 Functional Requirements Specification**

this section outlines the use case of user.

**2.2.1 User use case**

**Use case :** Show User's schedule

**Diagram**



**Brief Description:**

the user accesses the DB of HYU, call for user’s student schedule and show it to user’s

display

**Initial step-By Description:**

before this use case can be initiated, the User has already accessed the HYU and Web Application

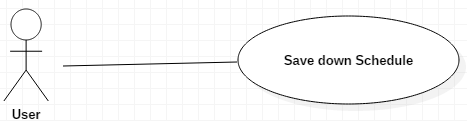
1.The User click ‘My Student Schedule’ button

2.To check that User login to application

3.The Web Application displays the User’s Student Schedule in User’s machine

**Use case :** Save down schedule

**Diagram**



**Brief Description:**

The user can save down User's Schedule to user's machine

**Initial step-By Description**

1.The User click 'Save Schedule' button

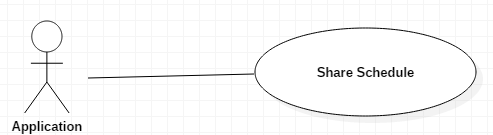
2.Check storage

3.Check to download address

4.Download Schedule to user's machine

**Use case :** **Share Schedule**

**Diagram**



**Brief Description**

Sharing the Schedule for User's freinds

**Initial step-By Description**

1. if users can share the student schedule
2. A users are click the “share”button
3. Web system connect Kakao server
4. Web system find server which have excellent condition stat  
   about transferring data of schedule and Kakao server returns the completed results
5. Schedule is posted to share with another people in the Kakao Talk
6. Web system pop up the complete message

A user and another people can see the schedule in the Kakao Talk

**Use case :** **Add User Schedule**

**Diagram**

****

**Brief Description**

Add the user schedule to Student Schedule

**Initial step-By Description**

1. Click 'Add Schedule' button

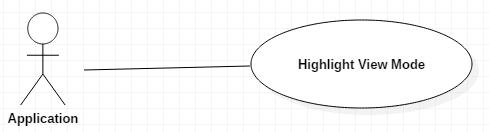
2. Insert user's schedule

3. Click 'Save' button and schedule upload

**2.2.2 App use case**

**Use case** : highlight view mode

**Diagram**



**Brief Description**

Highlight View when the time event occurs

**Initial step-By Description**

1. if users can search the student schedule
2. A users are click the “Schedule” button
3. Web system check the highlight view mode
4. Web system connects the DB server
5. Web system find server which have excellent condition stat  
   about transferring data of schedule and DB server returns the  
   schedule data
6. Web system converts schedule data to show the week’s  
   schedule
7. Web system pop up the complete message
8. Web systme is matching currently time and schedule time

Web system is showing the near time schedule

**2.3 User Characteristic**

The User is expected to be Internet literate and be able to use Student Schedule.  
The main screen of the Web Application well have the click button ‘Student Schedule’

The Web Application use HYU API

**2.4 Non-Functional**

Display of the machine must be at least 480\*800

The Machine must be connected to the Internet

# 3.0. Requirements Specification

## 3.1 External Interface Requirement The schedule button of web page in touch screen is pressed down Show the output in mobile phone(android/ios)

## 3.2 Functional Requirements

## 3.2.1 Use-Case Diagram

[next day end of the practice ]

### 3.2.2 Show schedule

|  |  |
| --- | --- |
| **Use Case Name** | Show schedule |
| **Use Case Format** | Schedule Button Click |
| **Goal in context** | To show student schedule that user easily check in match one weeks course time schedule |
| **Precondition** | A user did login on a web with valid id and password |
| **Trigger** | The user decide to “Schedule” the hanyang web site |
| **Basic Path** | 1. A users are observe web page in hanyang app 2. if users can search the student schedule 3. A users are click the “Schedule”button 4. Web system check the normal mode 5. Web system connects the DB server 6. Web system find server which have excellent condition stat about transferring data of schedule and DB server returns the schedule data 7. Web system converts schedule data to show the week’s schedule 8. Web system pop up the complete message 9. Web system shows the student schedule to user |
| **Alternative Paths** | Step 6 if DB server isnot connecting, Web system pop up th  e disconnet message |
| **Postcondition** | The schedule list is generated from the student schedule information |

### 3.2.2 Download Schedule

|  |  |
| --- | --- |
| **Use Case Name** | Save Down Schedule |
| **Use Case Format** | schedule down button click |
| **Goal in context** | To show student schedule that anywhere user see |
| **Precondition** | To save the user’s week’s schedule to user’s local machine when user click the ‘Save Schedule’ button in schedule web page |
| **Trigger** | The user decide to “Download” the schedule web page |
| **Basic Path** | 1. If users can download the week’s schedule 2. A users are click the “Save Schedule”button 3. Web system make the on of week schedule file and  returns the one page of student week schedule file 4. local system save the file in local repository 5. Web system is checking the saving file to local repository 6. Web system pop up the download complete message 7. A users can see student schedule file to local repository |
| **Alternative Paths** | Step 5 if Web system is not checking the saving file to local repository Web system pop up the error message |
| **Postcondition** | Updated downloaded schedule file log  Download result pop up to the user |

### 3.2.2 Share Schedule

|  |  |
| --- | --- |
| **Use Case Name** | Share Schedule File |
| **Use Case Format** | Share 버튼 눌렀을 때 |
| **Goal in context** | To share student schedule with another people for project meeting and Making plan in Kakao Talk |
| **Precondition** | To share the user’s student schedule when user click the ‘share’ button in schedule web page |
| **Trigger** | The user decide to “share” in the schedule web page |
| **Basic Path** | 1.if users can share the student schedule  2.A users are click the “share”button  3.Web system connect Kakao server  4.Web system find server which have excellent condition stat about transferring data of schedule and Kakao server returns the completed results  5.Schedule is posted to share with another people in the Kakao Talk  6.Web system pop up the complete message  7.A user and another people can see the schedule int Kakao Talk |
| **Alternative Paths** | Step 4 if Kakao server is not connecting, Web system pop up th  e disconnet message |
| **Postcondition** | The schedule list is shared to post the KakaoTalk |

3.2.2 Highlight view mode

|  |  |
| --- | --- |
| **Use Case Name** | Highlight view mode |
| **Use Case Format** | Highlight 버튼 눌렀을 때 현재 시간과 시간표 시간을 매칭해서 현재 시간에 가까운 시간표를 보여줌 |
| **Goal in context** | To show highlight week’s schedule that user easily check when select the Highlight view mode in setting for matching currently time and schedule time |
| **Precondition** | A user did login on a web with valid id and password  Set up the highlight view mode |
| **Trigger** | The user decide to “schedule” the hanyang web page |
| **Basic Path** | 1.if users can search the student schedule  2.A users are click the “Schedule” button  3.Web system check the highlight view mode  4.Web system connects the DB server  5.Web system find server which have excellent condition stat about transferring data of schedule and DB server returns the schedule data  6.Web system converts schedule data to show the week’s schedule  7.Web system pop up the complete message  8.Web systme is matching currently time and schedule time  9.Web system is showing the near time schedule |
| **Alternative Paths** | Step 5 if DB server is not connecting, Web system pop up th  e disconnet message |
| **Postcondition** | The near schedule list is showed to get highlight view |

3.2.2 Setting

|  |  |
| --- | --- |
| **Use Case Name** | Setting |
| **Use Case Format** | Schedule page의 Setting mode설정을 통해 Highlight Mode선택가능 |
| **Goal in context** | To show highlight student schedule and normal schedule that user easily check when select the Highlight mode or normal mode |
| **Precondition** | To set up the user’s student schedule of highlight mod and normal mode when user click the ‘Setting’ button in schedule web page |
| **Trigger** | The user decide to “setting” the schedule web site |
| **Basic Path** | 1. if users can select the schedule view of highlight mode and nomal mode 2. A users are click the “Setting” button 3. User check the highlight mode or normal mode 4. Web system connects the DB server 5. Web system find server which have excellent condition stat about transferring data of schedule and DB server save the setting data 6. Web system pop up the complete message 7. Web systme update schedule view mode |
| **Alternative Paths** | Step 4 if DB server is not connecting, Web system pop up th  e disconnet message |
| **Postcondition** | User can see different view mode |

3.2.2 Add User Schedule

|  |  |
| --- | --- |
| **Use Case Name** | Add User Schedule |
| **Use Case Format** | Add Schedule button is clicked |
| **Goal in context** | To add user's schedule to student schedule and display to application |
| **Precondition** | To add the user's schedule when user click the 'Add Schedule'button |
| **Trigger** | The user decide to “Add Schedule” the schedule web site |
| **Basic Path** | 1.if users can add the user's privative schedule  2.User are click the 'Add Schedule' button  3.User insert user's time information  4.User click the 'Save'  5.Application upload the time information  6.Schedule is update  7.Display the new Schedule |
| **Alternative Paths** | Step 3 if time is already use, User can not insert new time information |
| **Postcondition** | User can add Privative Schedule |

### 3.3.3 Security

1. User password must be longer than 8 characters and Captcha method is implanted to keep the program from automated sign up
2. the system should protect itself and its sensitive data from unauthorized access, malicious, modification . if there is no reaction of client, the user will be log-out automatically. this will prevent the unauthorized access problem