Test Project

Mobile Applications Development
Module C Implement

Day 3 A.M.

Submitted by:
Independent Test Project Design Team

Contents

Introduction

WorldSkills is holding the global WorldSkills Competition all over the world in October 2022. As the organizer of this competition, WorldSkills hopes to develop relevant apps to serve the audience who pay attention to this competition.The audience can sit at home, learn about WorldSkills, feel the atmosphere of the competition , and follow the dynamics of the competition through pictures and videos from the app.

The designer has provided you with two versions of product prototypes-- phone and tablet. As a developer of mobile applications, your task is to develop the corresponding app in strict accordance with the requirements of the prototype and the videos.

# Description of project and tasks

This development needs to be carried out in strict accordance with the style of the prototype and the requirements. The task is divided into two parts according to different equipment types:

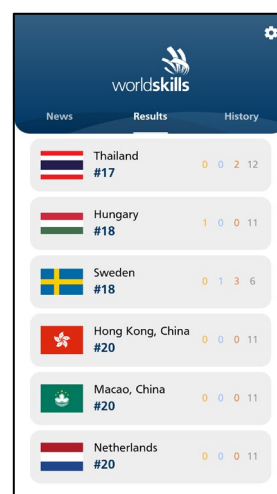|	Part	Name	Competition time	Marking devices
✓	A.M.	Implement (phone)	2.5	Emulator: Pixel 2 or iPhone 8 Plus
	P.M.	Implement (tablet)	2.5	Emulator: Pixel C or iPad pro (9.7-inch)

The following is an overview of some prototypes. Please refer to the **media-files** for details (e.g. dark mode prototypes, etc.).
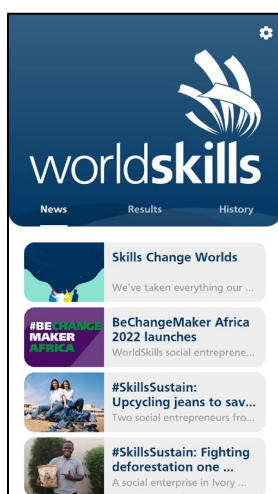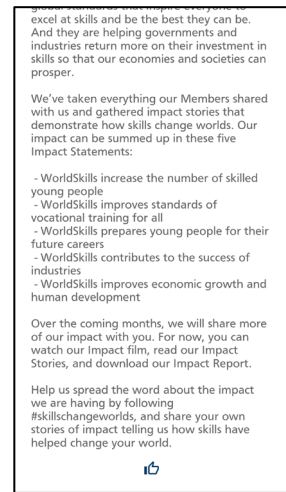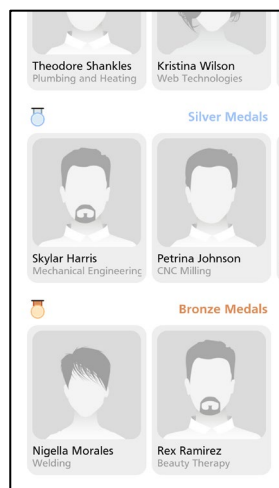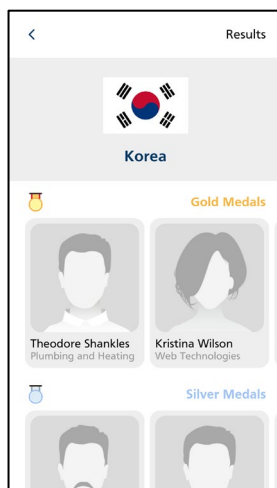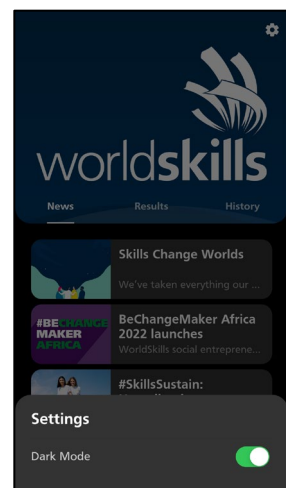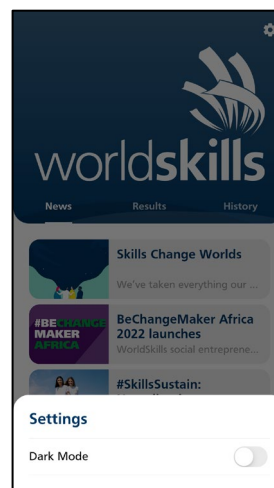

News Page
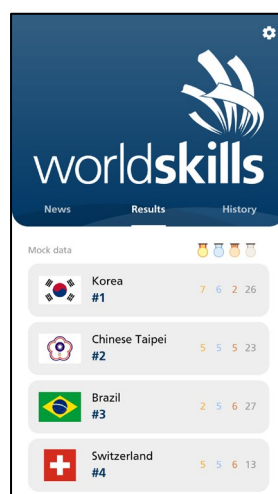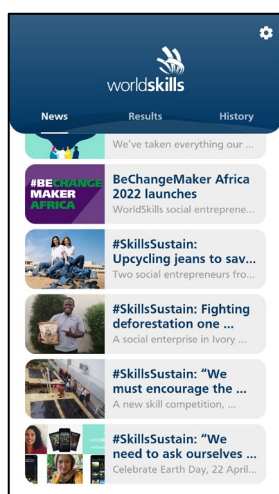
Results

History

News detail

Result Detail

Settings

General Demands

- All animation effects should be developed with reference to videos;
- Strictly follow the details of the prototypes;
- When user scrolls down, the expanded logo should shrink to a specific size and always stick on top (*animations/scroll.mov*);
- There are two waves under the logo, you need to make them roll in infinity animation (*animations/waves.mov*);
- Users can switch to the News/Result/History page by either clicking the tab item or swiping on horizontal in the page;
- The system status bar color is transparent in all pages(News,News Detail,Results,Result Detail,History);
- The system status bar icon color is white by default when dark mode is off, except ***News Detail Page*** or ***Result Detail Page***;

9:30

- The system status bar icon color is black in ***News Detail Page*** and ***Result Detail Page*** when dark mode is off .

9:30
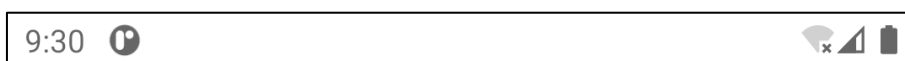
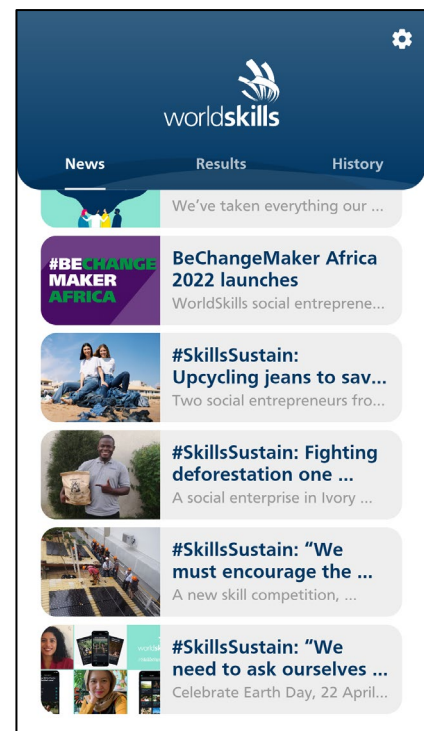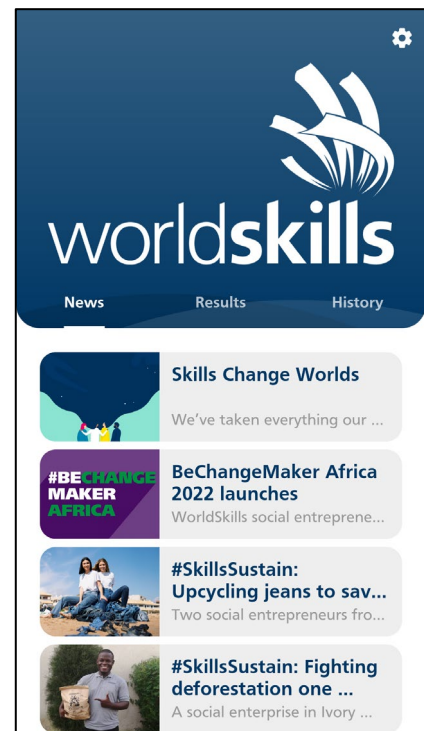# Pages Demands

1. News Page

Elements include:

- Header

    - Logo
    - Setting icon button
    - Tabs

        - News (selected)
        - Results
        - History

- List of all news, each news item includes:

    - Image
    - Title
    - Summary

Function requirements:

- Read the news data from *data/news.json*;
- Click news item (Skills Change Worlds) to navigate to *News Detail Page*.

2. Results Page

Elements include:

- Header

  - Logo
  - Setting icon button
  - Tabs

    - News
    - Results (selected)
    - History

- Text of "Mock data"
- Images of medals
- List of all results, each result item includes:

  - Flag
  - Country / Region Name
  - Ranking
  - Number of medals

    - Gold
    - Silver
    - Bronze
    - Excellence

Function requirements:

- Read the results data from *data/results.json* (mock data);
- Click result item (Korea) to navigate to *Result Detail Page*.
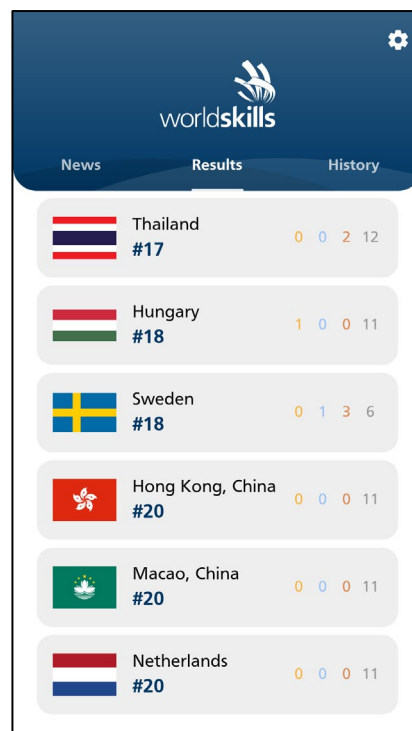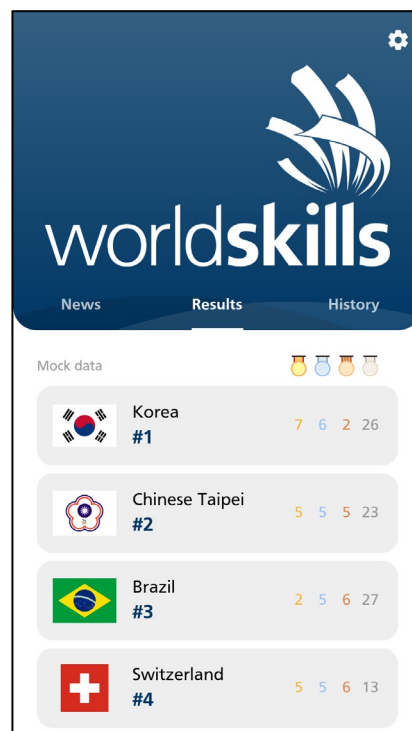
3. History Page

Elements include:

- Header

  - Logo
  - Setting icon button
  - Tabs

    - News
    - Results
    - History (selected)

- List of competition history, each item includes:

  - Date
  - Title
  - Logo
  - Description

- Timeline

Function requirements:

- Read the history data from *data/history.json;*
- Only "WorldSkills Competition 2022 Special Edition" is active in timeline.

4. News Detail Page

Elements include:

- Header
  - Back icon button
  - Label "News"
- Title
- Summary
- Image
- Content
- Thumb up icon button

Function requirements:

- Click Back icon button to go back to the previous page;
- News data comes from the News Page item just clicked;
- Click thumb up icon button to switch icon state as shown in the animation (*animations/thumbup.mov*).

<   News

Skills Change Worlds

We've taken everything our Members shared with us in our first ever global Impact Survey and gathered impact stories that demonstrate how skills change worlds.

Confident learners. Ambitious individuals. Inclusive workplaces. Productive businesses. Sustainable industries. Economic growth.

Skills help all these things thrive, which is why we need more skilled young people.

Today WorldSkills is celebrating the positive impact that the young people, educators, governments, and partners in the WorldSkills community are all having because of skills.

In 2021, we ran our first ever global Impact Survey. It was the biggest research programme we've ever undertaken, designed

global standards that inspire everyone to excel at skills and be the best they can be. And they are helping governments and industries return more on their investment in skills so that our economies and societies can prosper.

We've taken everything our Members shared with us and gathered impact stories that demonstrate how skills change worlds. Our impact can be summed up in these five Impact Statements:

 - WorldSkills increase the number of skilled young people
 - WorldSkills improves standards of vocational training for all
 - WorldSkills prepares young people for their future careers
 - WorldSkills contributes to the success of industries
 - WorldSkills improves economic growth and human development

Over the coming months, we will share more of our impact with you. For now, you can watch our Impact film, read our Impact Stories, and download our Impact Report.

Help us spread the word about the impact we are having by following #skillschangeworlds, and share your own stories of impact telling us how skills have helped change your world.

5. Result Detail Page

Elements include:

- Header

  - Back icon button
  - Label "Results"

- Flag
- Country / Region Name
- Three Lists(Gold,Silver,Bronze) of competitors, each competitor includes:

  - Avatar
  - Competitor Name
  - Skill Name

Function requirements:

- Read the result data from *data/result.json;*
- Click Back icon button to go back to the previous page;
- The list of competitors can be swiped horizontally;.
- If the Skill Name is too long and exceeds the container's width that wraps it, you need to implement a marquee animation for it (*animations/marquee.mov*).
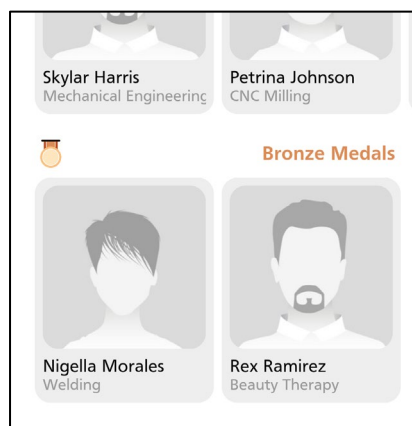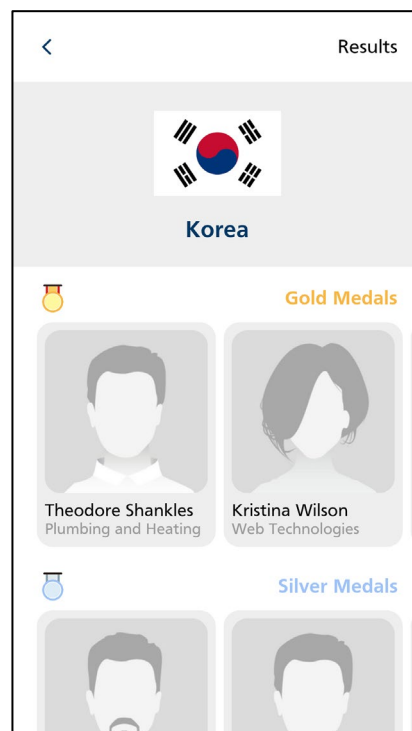
6. Settings Dialog

Elements include:

- Title "Settings"
- Switch button with text "Dark Mode"

Function requirements:

- The settings dialog pops up from the bottom after clicking the settings icon button. Click the area outside the settings dialog to hide back. (*animations/settings.mov*);
- The states of "Dark Mode" button can be changed by clicking.
- When the "Dark Mode" button is activated, app theme is turned to dark mode (refer to *prototypes/dark_mode for* styles of all pages);
- When the "Dark Mode" button is inactive, app theme turns back to light mode.
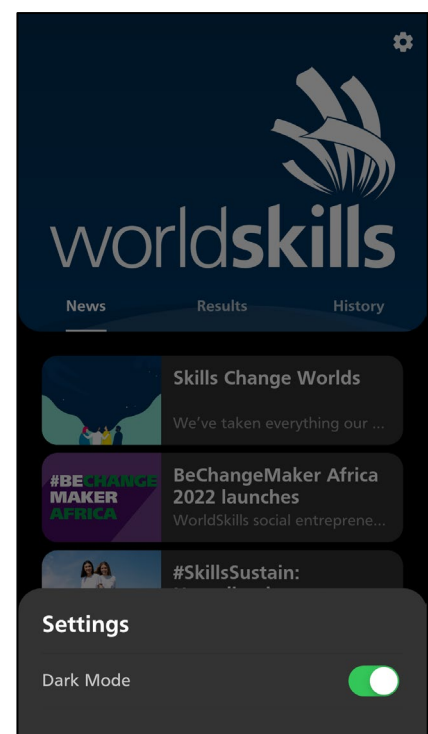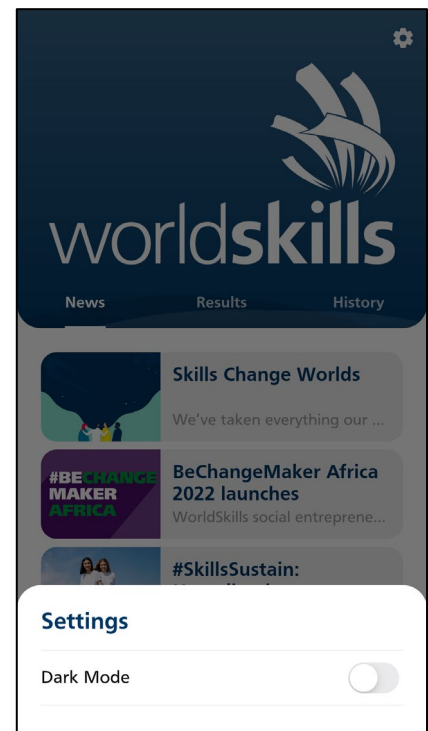
Instructions to the Competitor

- Please create the project with correct package name (Android)/ Organization Identifier (iOS). Naming convention: edu.ws2022.cXX.am;
- You should save the project in the folder: XX_Module_C_AM;
- You should rename the generated apk (Android)/ app (iOS) file as XX_Module_C_AM.apk (Android)/ XX_Module_C_AM.app (iOS), and save it in the root of the XX_Module_C_AM folder;
- The whole XX_Module_C_AM folder should be pushed to the provided remote Git repository;
- Submit part A.M. in the morning and part P.M. in the afternoon, and the two parts will be marked independently;
- Only works pushed to the remote Git server within the specified time will be marked.

Note: XX refers to your workstation code.

Marking Scheme

No.	Sub-criterion	Mark
Mdoule C AM		
1	News Page	1
2	News Detail Page	2
3	Result Page	1.25
4	Result Detail Page	1.75
5	History Page	1.25
6	Setting Dialog	2.5
7	General Demands	2.25
8	Judgement	3
	Total	15