2024 Invitational Online Friendly Challenge

Mobile Applications Development

Team Korea

Introduction

The product manager gave user the phone wireframes. As a mobile app developer, it is user responsibility to create corresponding apps using the given wireframes in line with the specific development requirements.

Description of project and tasks

- user should create a complete project and an installable APK (Android) or app(iOS) package. Competition time: 2.5 hours

  Marking emulator: Android – Pixel5 API 31, iOS – iPhone 8 Plus

- Create an app by referring to the provided prototype. In order to enhance the user experience, the competitor can arbitrarily change the prototype, but all areas/elements (including implementation functions) must be included.

- Screen contents should not be displayed when tapping the "overview" button at the bottom.

- App icon (logo, symbol) must be applied. (Launcher icon, icon during overview)

- All screens need design improvement. Competitors must implement the application with a design consistent with the prototype
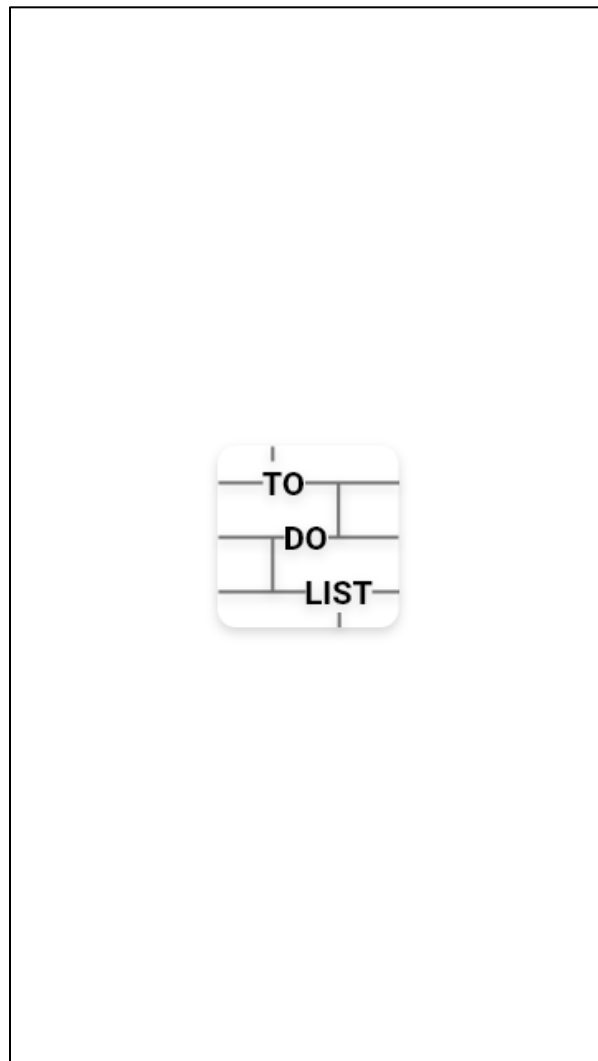
1. Intro
Requirements

- Create Intro Screen
- Company want to continuously expose the logo branding of the app to make memorable for users.
  So, Intro animation within 3 seconds must be applied to the logo.
- Intro animation should be made by a competitor,
  and there should be an element that can attract the user's attention.
- After the animation, it automatically interacts with the Main Screen
  and today to-do-lists is shown.

2. Main

Requirements

- Create Main Screen.
- Main screen must be the same area as the prototype.

  · Year/month area, · week area, · To-Do-List area for the selected day

- All information on the default(first) Main screen should be shown as of today.
- Year/month area interacts with calendar Screen.
- Week area is swept horizontally, and we can select one day when tapped.
- List (To-Do-List) area is swept vertically.
- If user select a different date, a button to "Today" must be created in the "Year/Month Area". When Today is shown, the button disappears.
- "Back to Today" is important element in this page.

  So. It applied appropriate location and improved designed by the competitor.
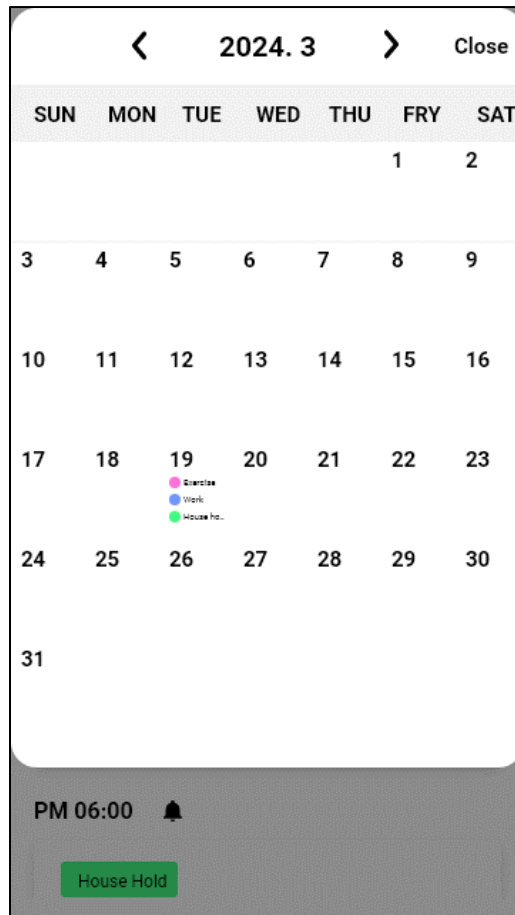
3. Calendar

Requirements

- Create calendar screen.
- When user tap the text '2024.3' in the year/month area, Calendar pops up like a prototype.
- The calendar is displayed on A MONTH and viewed on a monthly basis.
- When user tap a date in the calendar, move to Main screen.
  then user must see the To-Do-List for a selected date,
  And a selected date is displayed on the leftmost side of the Week area.
- The calendar should display category (with color) title of To-Do-list.
  If the text is too long, some of the text should be omitted.
  This is important element, so It applied improved UX designed by the competitor.
  ex) House hold → House ho...
- There should be a close button.
  and it should not be closed when tapping the non-pop-up area.
- Nothing changes on the Main screen before closing without selecting any date.

4. List(to-do-List)

Requirements

- Create the area showing the List screen.
- At the top of List area are two elements (addition, download).
- The time, alarm status, and detail lists are shown and can not modified,
  but we can check a list is finish or not through a check box, like a prototype.
- List should be swapped vertically.
- For this Screen, it is important for the user to be able to show text well.
 The current prototype has received feedback that the detail list text do not see well.
 Consider UX and improve the design of the competitor.
- List should be stored in a local storage.
- Competitor should create at least three categories and make at least ten lists.
 ex) Exercise: Running 3km, Push-up 100(20 X 5), Squard 100(20 X 5)…
     Work: Report…
     House Hold: Laundry, Cleaning, Washing Dish…
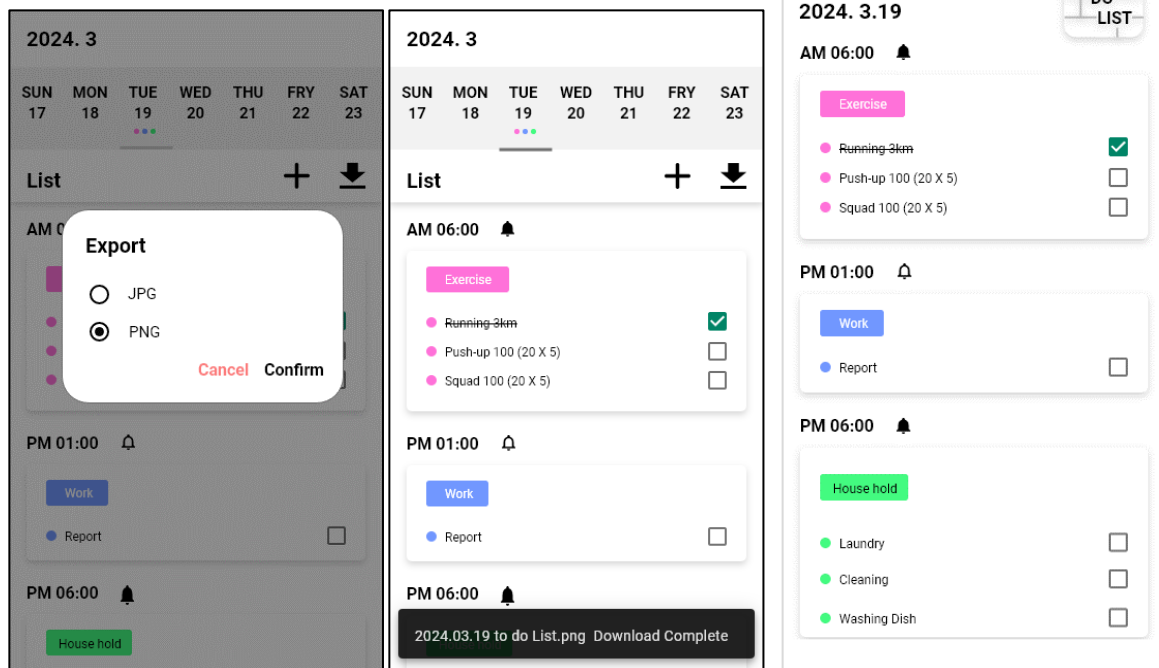
5 Download

Requirements

- Create download function
- When user tab the download button, it works like prototype.
- The image (JPG, PNG) download should be worked,
- The image contains the logo and the date, the list, is shown.
- the download image should be in the similar as sample,
  and the full list corresponding to the selected day should be shown.
- At the
- The download is stored in a local storage space,
  but it must be separated from files or images downloaded from other apps by creating and
  storing the ToDoList folder.

[Download Image sample]

6. Add List
Requirements

- Create add list screen.
- There are Time, Category/Title, List(detail), all fields are required values.
- All Text fields must have at least 3 characters.
- If essential elements are not input, they will not be saved and should be guided to user.
- There is no data on the default screen.
- All fields are required values.
  So, competitor need to improve the screen input UX considering the validation.
  If the guide is missing or wrong, so that the user cannot know about the input value,
  all points of this screen will be lost.

6-1. Add List input

Requirements

- Time area should set by Timepicker like a prototype,

  and should be animation which is improved by the competitor.

- User can select whether to alarm (Only icon changed, the system alarm does not work)

- Category area, six colors are available, and the colors are selected by the competitor.

   · Colors do not have to be the same color as the prototype.

- There are a total of 7 categories, and they are selected by drop-down method.

   · Category: Travel, Exercise, Study, House hold, Work, Vacation, etc.

- there is add button (+).

    If user tab the add button, a detail list box that requires text input is created.

- If there is no input, the box is erased.

- The list box can be changed in order through drag.

- There is a delete icon and when user press a button,

  When user try to remove the List box, system need to be checking again to user.

- Press the Done button to save the Data and move it to the main screen.

  At this time, the main screen is arranged based on the saved date.