



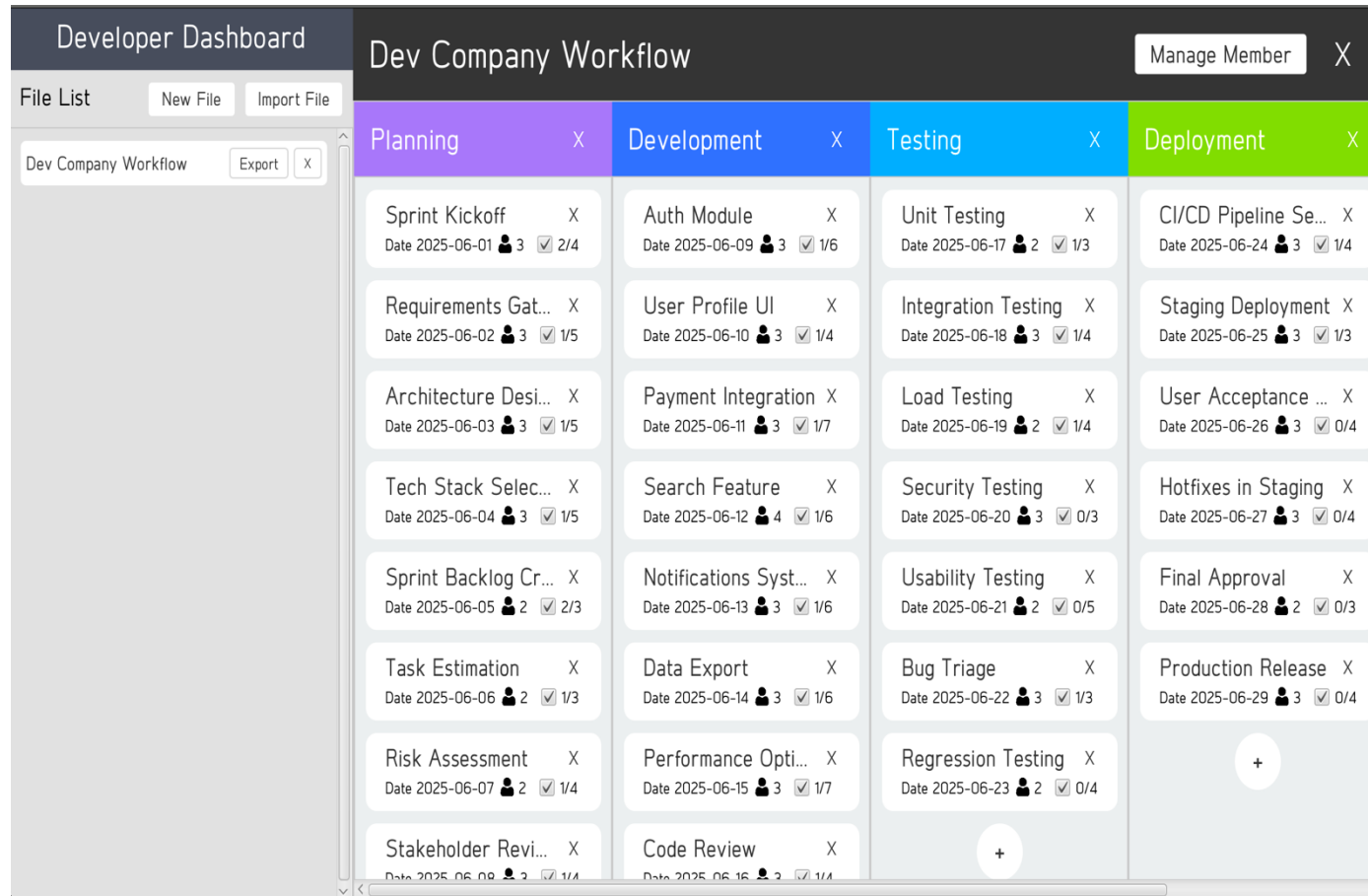
# Task Management

Final Project

2110215 Programming Methodology

Tech Stack : Java, JavaFx, Org.json

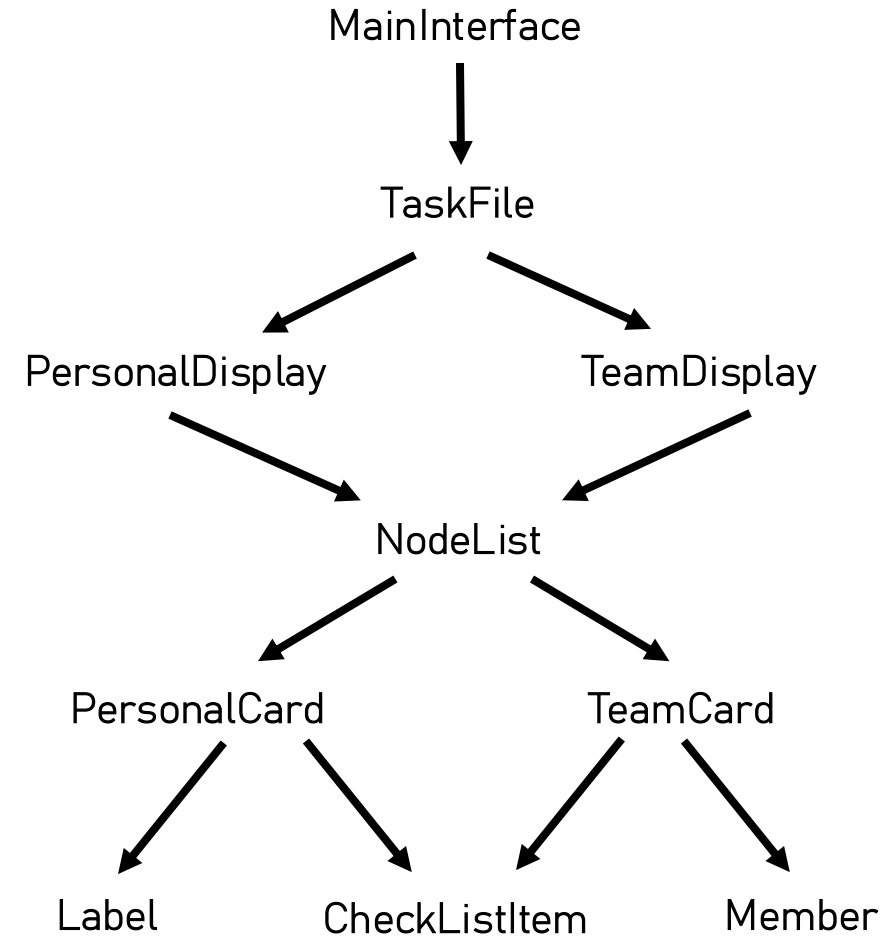
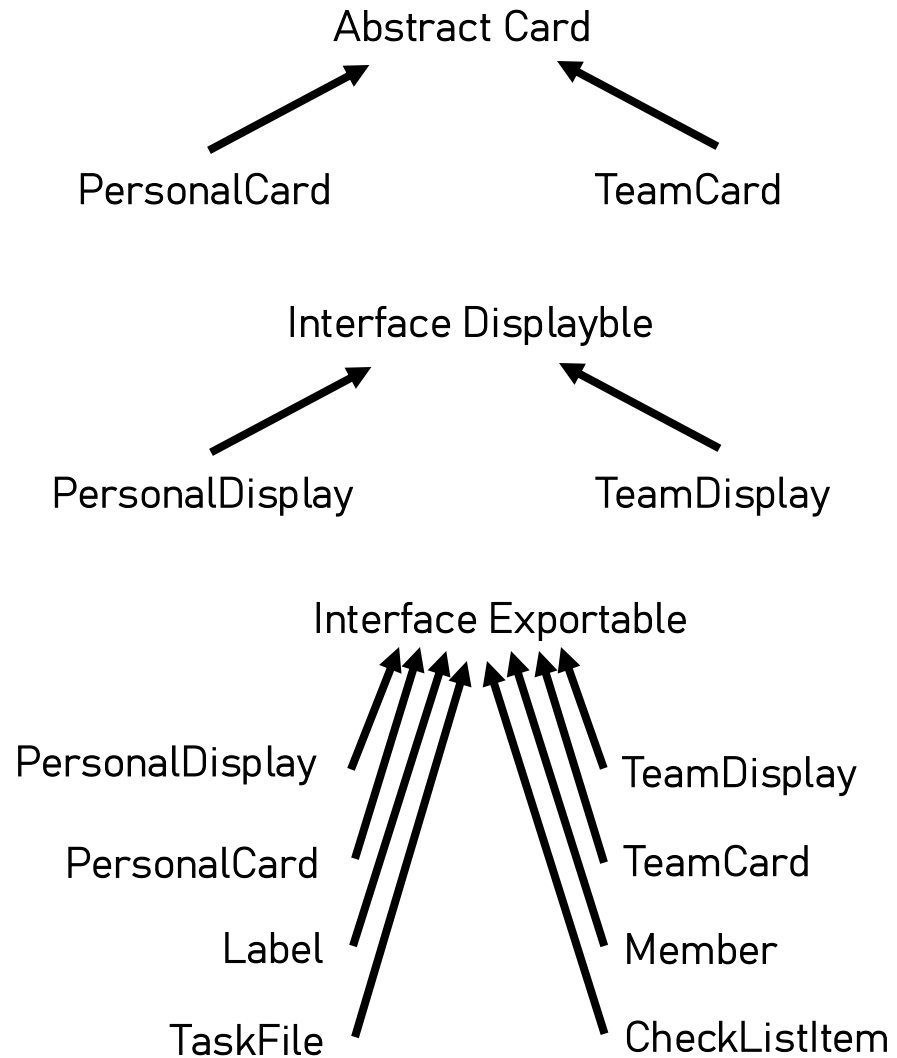
# Implementation Detail of Application



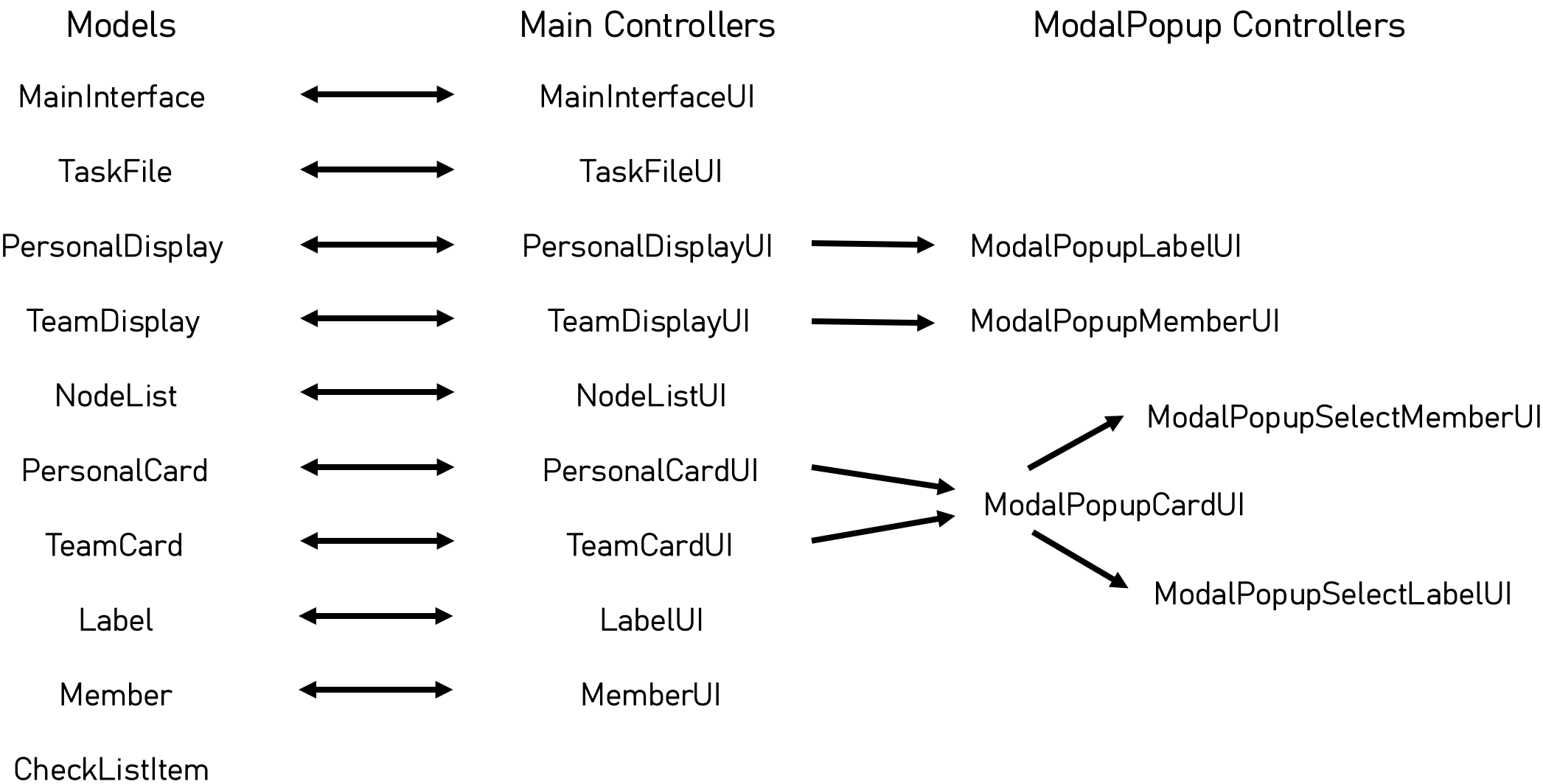
Consists of 5 Packages

1. Main 1 class
2. Models ★ 11 classes
3. Interfaces 2 classes
4. Controllers ★ 15 classes
5. Enums 4 classes

# Models + Interfaces Package



# Models + Controllers Package



## Example of TeamDisplay view

## MainInterfaceUI

Developer Dashboard

File List

New File

Import File

Dev Company Workflow

Export

X

TaskFileUI

Dev Company Workflow

TeamDisplayUI

Manage Member

X

Planning

X

Sprint Kickoff

X

Date 2025-06-01 3 2/4

Requirements Gat...

X

Date 2025-06-02 3 1/5

Architecture Desi...

X

Date 2025-06-03 3 1/5

Tech Stack Selec...

X

Date 2025-06-04 3 1/5

Sprint Backlog Cr...

X

Date 2025-06-05 2 2/3

Task Estimation

X

Date 2025-06-06 2 1/3

Risk Assessment

X

Date 2025-06-07 2 1/4

Stakeholder Revi...

X

Date 2025-06-08 2 1/4

Development

X

TeamNodeListUI

Auth Module

X

Date 2025-06-09 3 1/6

TeamCardUI

User Profile UI

X

Date 2025-06-10 3 1/4

Payment Integration

X

Date 2025-06-11 3 1/7

Search Feature

X

Date 2025-06-12 4 1/6

Notifications Syst...

X

Date 2025-06-13 3 1/6

Data Export

X

Date 2025-06-14 3 1/6

Performance Opti...

X

Date 2025-06-15 3 1/7

Code Review

X

Date 2025-06-16 3 1/4

Testing

X

Unit Testing

X

Date 2025-06-17 2 1/3

Integration Testing

X

Date 2025-06-18 3 1/4

Load Testing

X

Date 2025-06-19 2 1/4

Security Testing

X

Date 2025-06-20 3 0/3

Usability Testing

X

Date 2025-06-21 2 0/5

Bug Triage

X

Date 2025-06-22 3 1/3

Regression Testing

X

Date 2025-06-23 2 0/4

Deployment

X

CI/CD Pipeline Se...

X

Date 2025-06-24 3 1/4

Staging Deployment

X

Date 2025-06-25 3 1/3

User Acceptance ...

X

Date 2025-06-26 3 0/4

Hotfixes in Staging

X

Date 2025-06-27 3 0/4

Final Approval

X

Date 2025-06-28 2 0/3

Production Release

X

Date 2025-06-29 3 0/4

# Example of PersonalDisplay view

MainInterfaceUI

Developer Dashboard

File List

New FileImport File

Personal

ExportX

TaskFileUI

PersonalPersonalDisplayUI

Manage LabelX

Study

Review Math ... X

Date 2025-05-01

Checklist ☒ 0/2

Description

Focus on calculus and algebra topics

Physics Practice X

Date 2025-05-01

Checklist ☒ 0/3

Description

Solve 10 physics questions

Group Study X

Date 2025-05-02

Checklist ☒ 0/0

Description

Review midterm content with classmates

Create Flashc... X

Date 2025-05-02

Checklist ☒ 1/2

Description

Make cards for memorization-heavy subjects

Summarize His... X

Date 2025-05-03

Checklist ☒ 0/3

Description

Create bullet summaries for key events

Work

Organize Note... X

Date 2025-05-01

Checklist ☒ 1/2

Description

Sort and rename digital files

Prepare Revisi... X

Date 2025-05-02

Checklist ☒ 2/3

Description

Create a daily study plan

Print Study M... X

Date 2025-05-02

Checklist ☒ 0/0

Description

Print notes, papers, and schedules

Back Up Files X

Date 2025-05-03

Checklist ☒ 1/2

Description

Save all exam material to cloud

Declutter Stud... X

Date 2025-05-03

Checklist ☒ 1/3

Description

Clean and organize workspace

Health

Sleep Routine X

Date 2025-05-01

Checklist ☒ 0/2

Description

Fix bedtime to 10 PM for better focus

Eat Healthy M... X

Date 2025-05-02

Checklist ☒ 1/2

Description

Focus on fruits, veggies, and hydration

Stretching X

Date 2025-05-03

Checklist ☒ 1/3

Description

Stretch every morning before studying

Walk Breaks X

Date 2025-05-04

Checklist ☒ 0/0

Description

Take a 10-minute walk every hour

Mental Health ... X

Date 2025-05-04

Checklist ☒ 0/2

Description

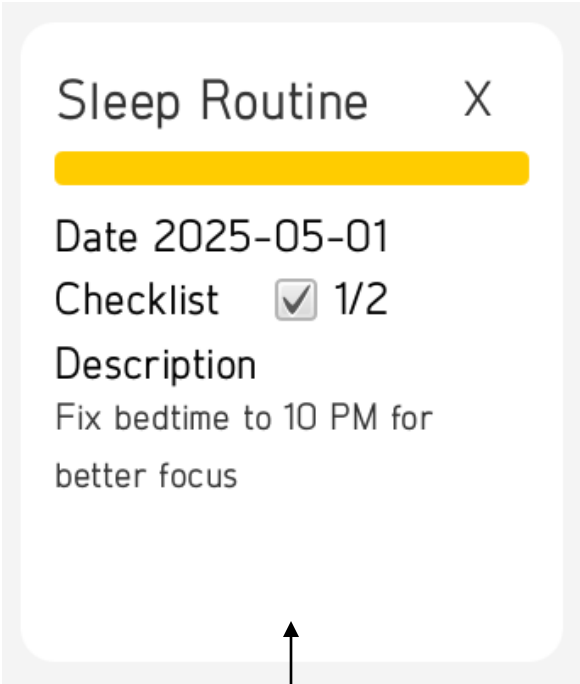
Relax and stay balanced during exams

PersonalNodeListUI

PersonalCardUI

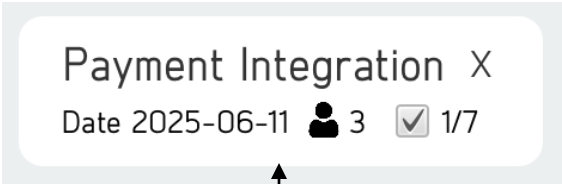
# ModalPopup Controllers

## PersonalCardUI



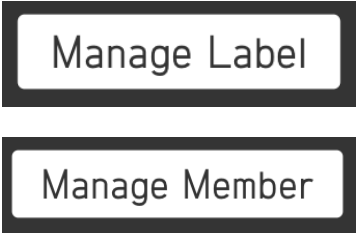
Open ModalPopupCardUI

## TeamCardUI



Open ModalPopupCardUI

Open ModalPopupLabelUI



Open ModalPopupMemberUI

# ModalPopupCardUI

PersonalCard View

Create Flashcards

Label

Edit

Date

5/2/2025

Edit

Description

Make cards for memorization-heavy subjects

Edit

CheckList

50 %

☒ Chapter 3

☐ Chapter 4

Edit

Open ModalPopupSelectLabelUI

Close

TeamCard View

User Profile UI

Date

6/10/2025

Edit

Description

Build profile view/edit pages with responsive design

Edit

CheckList

25 %

☒ Design mockups

☐ Implement React components

☐ Connect to API

☐ Unit tests

Edit

Members

3 members

1. Henry Zhao

Role Designer

2. Carol Nguyen

Role Developer

3. Frank Liu

Role Intern

Edit

Open ModalPopupSelectMemberUI

Close

Date edit mode

Date

6/1/2025

Save

Cancel

Description edit mode

Description

Align team on sprint goals, scope, and timelines

Save

Cancel

CheckList edit mode

CheckList

50 %

☒ Draft agenda

☒ Book conference room

☐ Invite stakeholders

☐ Share pre-reads

X

X

X

X

Enter new CheckList title

Add

Cancel

Label edit mode

Member edit mode

ModalPopup  
SelectUI



# ModalPopupMemberUI

Team Members

Alice Johnson

Role Project Manager

X

Bob Smith

Role Developer

X

Henry Zhao

Role Designer

X

Carol Nguyen

Role Developer

X

Dave Patel

Role QA Tester

X

Emma Zhang

Role Developer

X

Frank Liu

Role Intern

X

Name

Enter member name

Role

Add

Close

# ModalPopupSelectMemberUI

Select Members

Close

Alice Johnson

Role Project Manager

Select

Bob Smith

Role Developer

Select

Henry Zhao

Role Designer

Deselect

Carol Nguyen

Role Developer

Deselect

Dave Patel

Role QA Tester

Select

Emma Zhang

Role Developer

Select

Frank Liu

Role Intern

Deselect

Grace Kim

Role Intern

Select

# ModalPopupLabelUI

Label Manager

Urgent

X

Exam Prep

X

Group Task

X

Digital

X

Printing

X

Time Sensitive

X

Self-Care

X

Name

Enter label name

Color

Add

Close

# ModalPopupSelectLabelUI

Select Labels

Close

Urgent

Select

Exam Prep

Deselect

Group Task

Select

Digital

Select

Printing

Select

Time Sensitive

Select

Self-Care

Deselect

T D