

**Fine\_Kindergarten Project**  
**Design Models**  
**Version <1.0>**

**By Team FineApple**

Fine_Kindergarten	Version: <1.0>
Design Models	Date: <12/04/22>

## Revision History

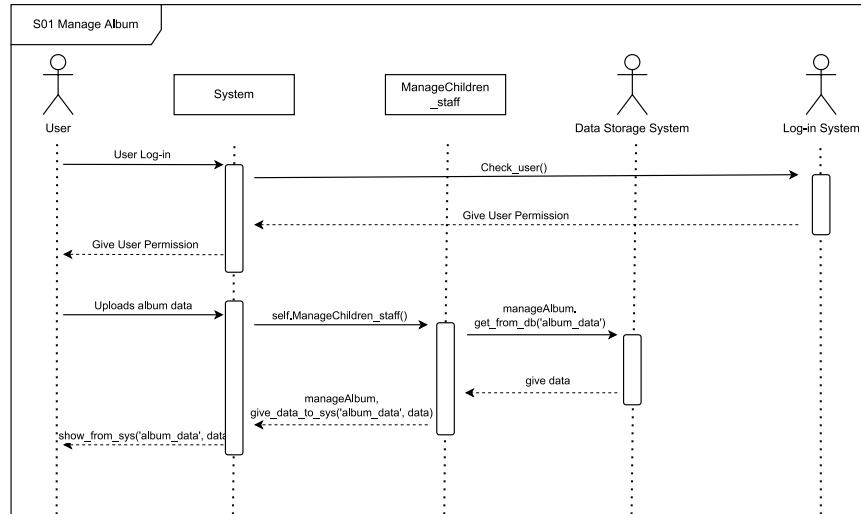
Date	Version	Description	Author
<12/04/22>	<1.0>	First draft Make Design Models Write description of models	김민규, 김민수, 이정중, 임주혁

Fine_Kindergarten	Version: <1.0>
Design Models	Date: <12/04/22>

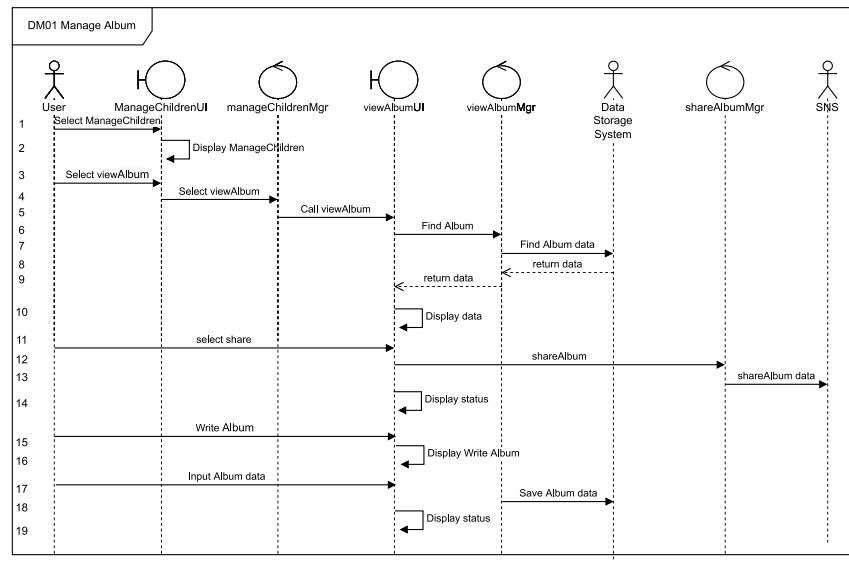
## Design Decision

### DM01 Manage Album

Analysis Model (Seq. Diagram)



Design Model



### Justifying Design Decision

1. Analysis model: Didn't consider system UI. Design model: Consider system UI. -> User selects option. (DM01-1, DM01-3, DM01-11)
2. Analysis model: User interacts with system directly. Design model: User interacts with system's UI.

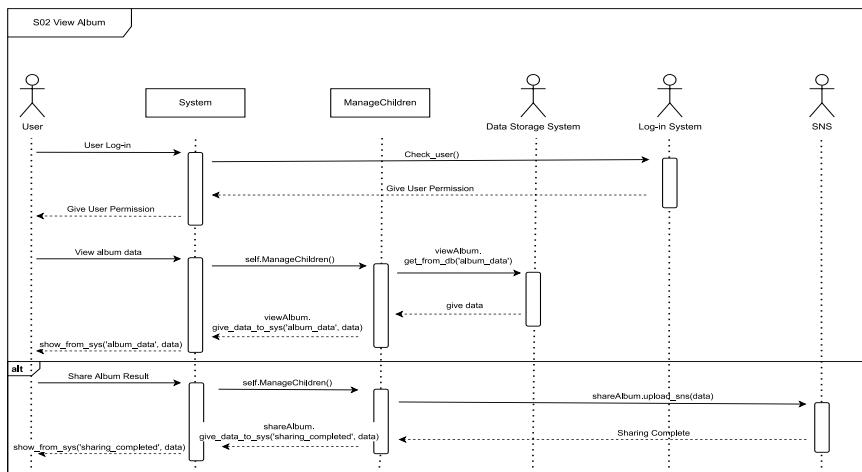
Fine_Kindergarten	Version: <1.0>
Design Models	Date: <12/04/22>

3. Analysis model: Sharing album is alt. Design model: User select to share. Reason: When we analyze, we thought sharing album and viewing album is separated part, but when we design, sharing album is a part of viewing album

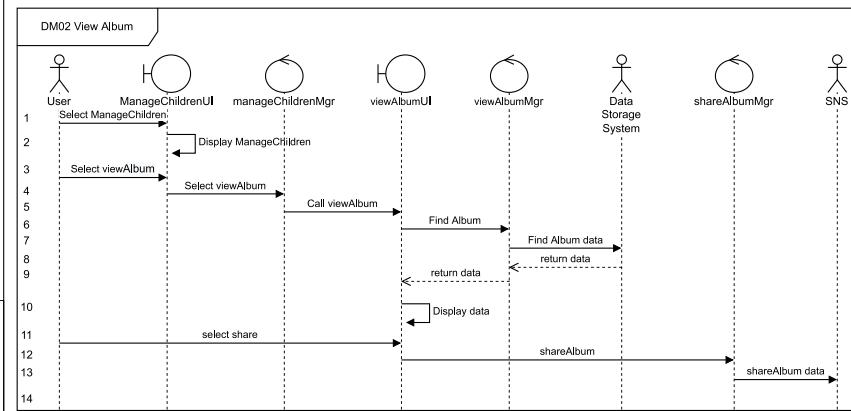
Fine_Kindergarten	Version: <1.0>
Design Models	Date: <12/04/22>

## DM02 View Album

Analysis Model (Seq. Diagram)



Design Model



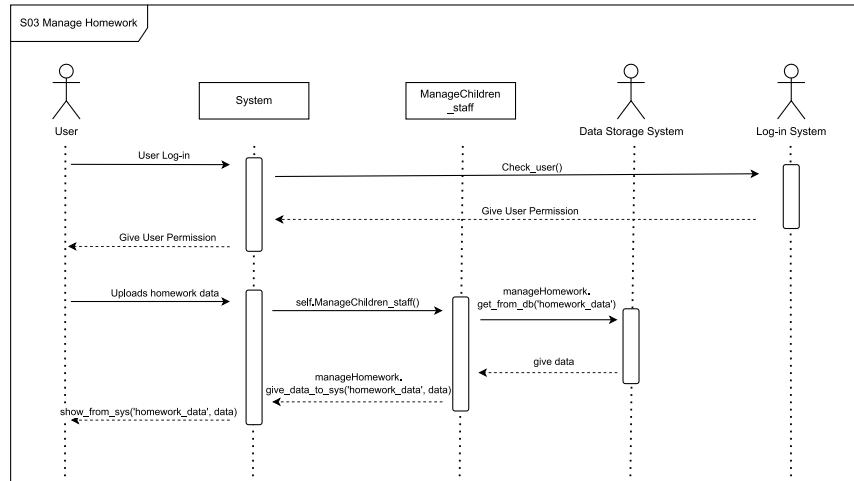
## Justifying Design Decision

1. Analysis model: Didn't consider system UI. Design model: Consider system UI. -> User selects option. (DM02-1, DM02-3, DM02-11)
2. Analysis model: User interacts with system directly. Design model: User interacts with system's UI.
3. Analysis model: Sharing album is alt. Design model: User select to share. Reason: When we analyze, we thought sharing album and viewing album is separated part, but when we design, sharing album is a part of viewing album

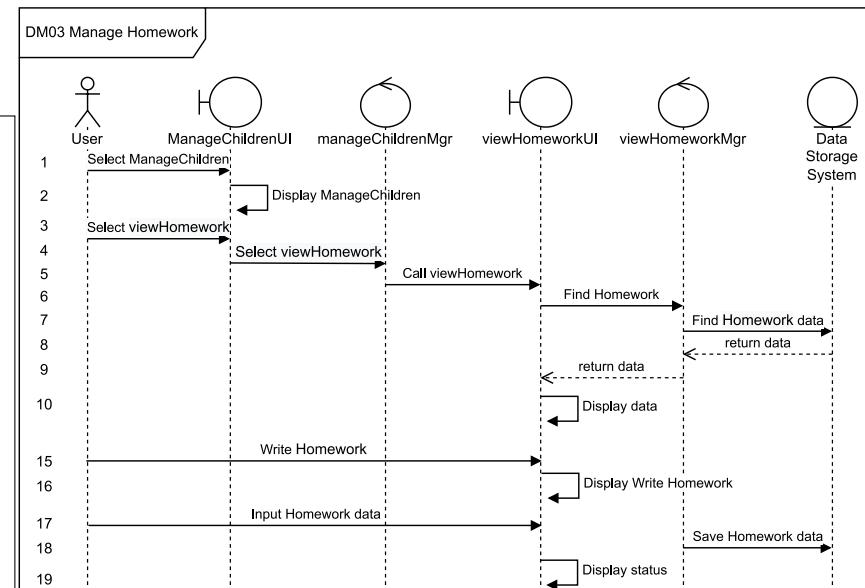
Fine_Kindergarten	Version: <1.0>
Design Models	Date: <12/04/22>

## DM03 Manage Homework

Analysis Model (Seq. Diagram)



Design Model



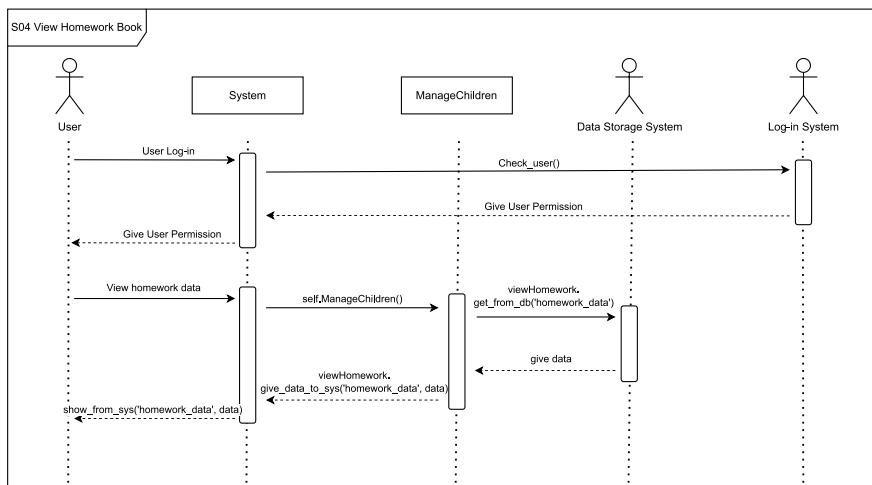
### Justifying Design Decision

1. Analysis model: Didn't consider system UI. Design model: Consider system UI. -> User selects option. (DM03-1, DM03-3, DM02-11)
2. Analysis model: User interacts with system directly. Design model: User interacts with system's UI.

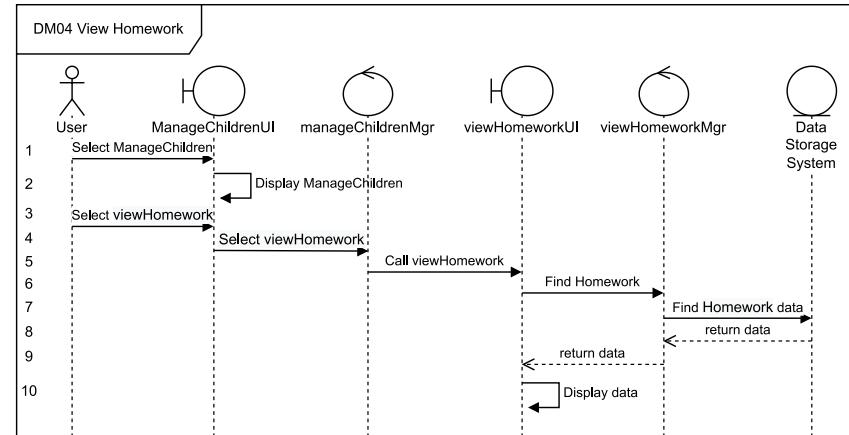
Fine_Kindergarten	Version: <1.0>
Design Models	Date: <12/04/22>

## DM04 View Homework

Analysis Model (Seq. Diagram)



Design Model



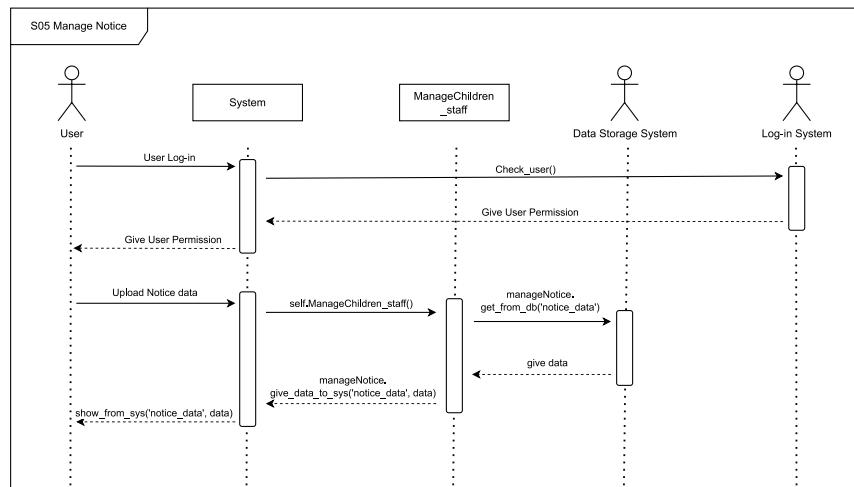
### Justifying Design Decision

1. Analysis model: Didn't consider system UI. Design model: Consider system UI. -> User selects option. (DM04-1, DM04-3)
2. Analysis model: User interacts with system directly. Design model: User interacts with system's UI.

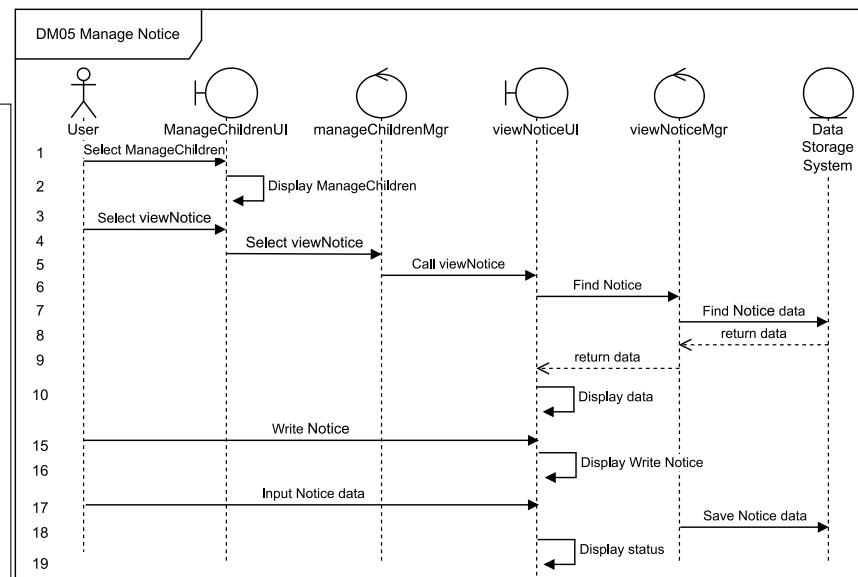
Fine_Kindergarten	Version: <1.0>
Design Models	Date: <12/04/22>

## DM05 Manage Notice

Analysis Model (Seq. Diagram)



Design Model



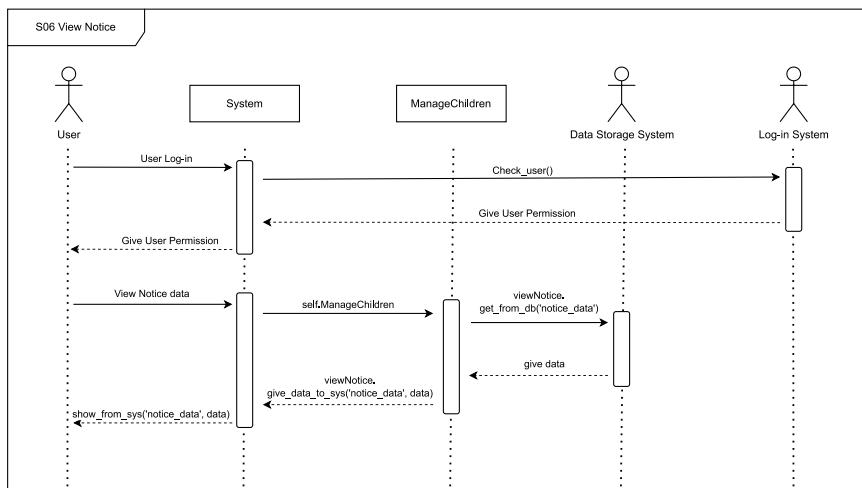
## Justifying Design Decision

1. Analysis model: Didn't consider system UI. Design model: Consider system UI. -> User selects option. (DM05-1, DM05-3)
2. Analysis model: User interacts with system directly. Design model: User interacts with system's UI.

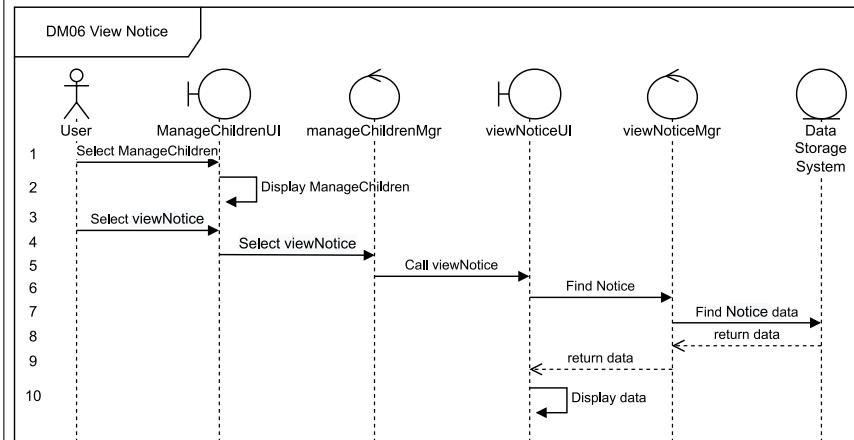
Fine_Kindergarten	Version: <1.0>
Design Models	Date: <12/04/22>

### 3. DM06 View Notice

Analysis Model (Seq. Diagram)



Design Model



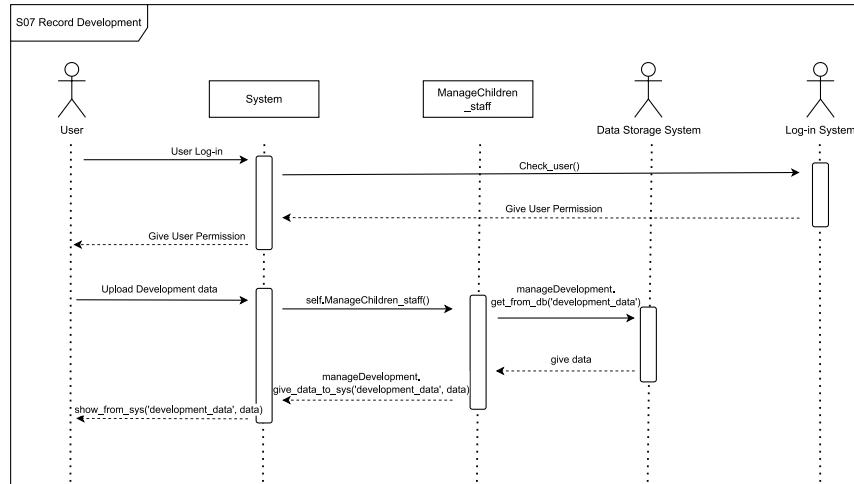
#### Justifying Design Decision

1. Analysis model: Didn't consider system UI. Design model: Consider system UI. -> User selects option. (DM06-1, DM06-3)
2. Analysis model: User interacts with system directly. Design model: User interacts with system's UI.

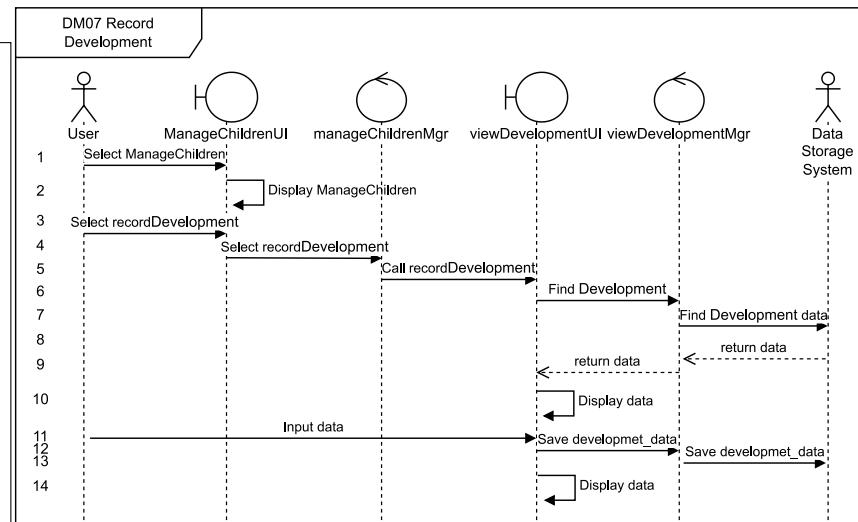
Fine_Kindergarten	Version: <1.0>
Design Models	Date: <12/04/22>

## DM07 Record Development

Analysis Model (Seq. Diagram)



Design Model



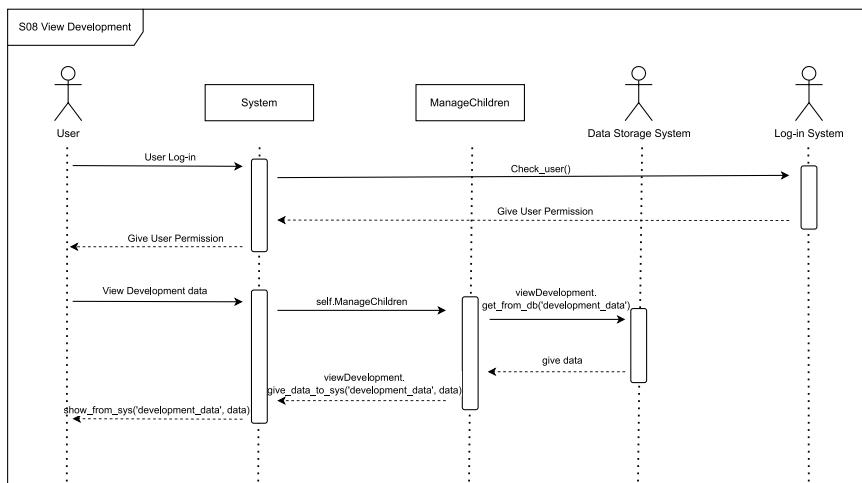
## Justifying Design Decision

1. Analysis model: Didn't consider system UI. Design model: Consider system UI. -> User selects option. (DM07-1, DM07-3)
2. Analysis model: User interacts with system directly. Design model: User interacts with system's UI.

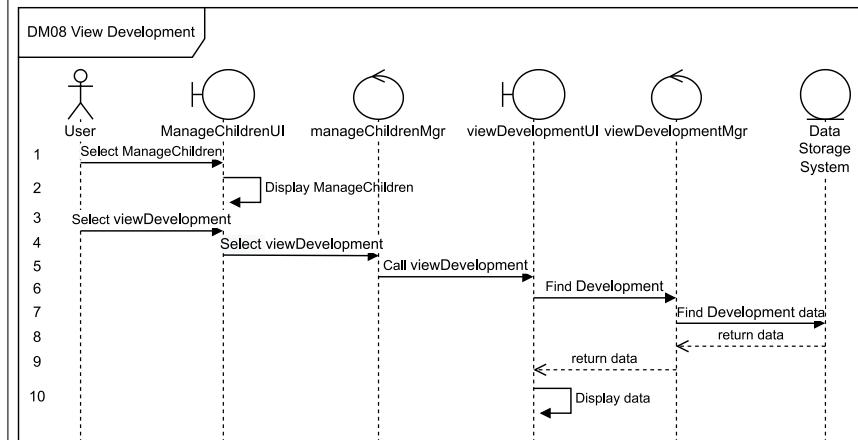
Fine_Kindergarten	Version: <1.0>
Design Models	Date: <12/04/22>

## DM08 View Development

Analysis Model (Seq. Diagram)



Design Model



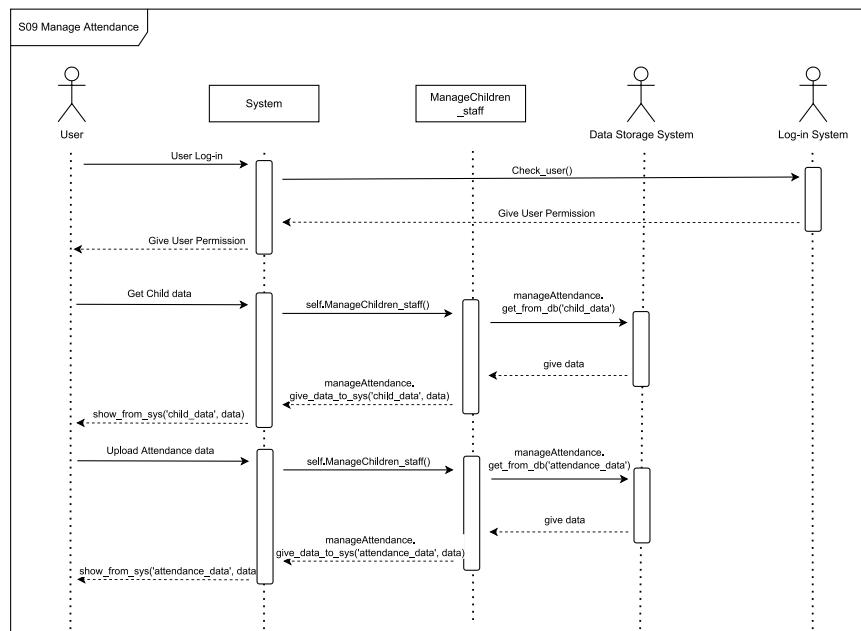
### Justifying Design Decision

1. Analysis model: Didn't consider system UI. Design model: Consider system UI. -> User selects option. (DM08-1, DM08-3)
2. Analysis model: User interacts with system directly. Design model: User interacts with system's UI.

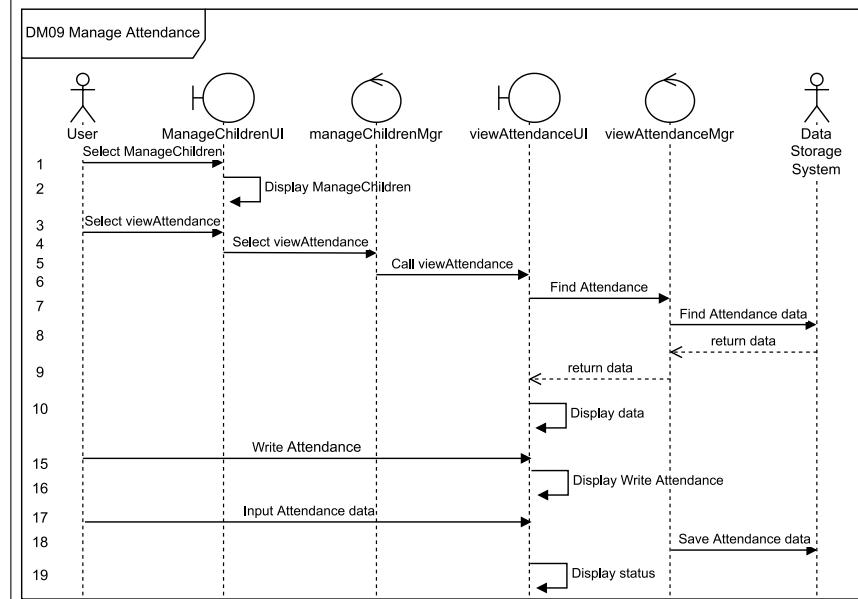
Fine_Kindergarten	Version: <1.0>
Design Models	Date: <12/04/22>

## DM09 Manage Attendance

Analysis Model (Seq. Diagram)



Design Model



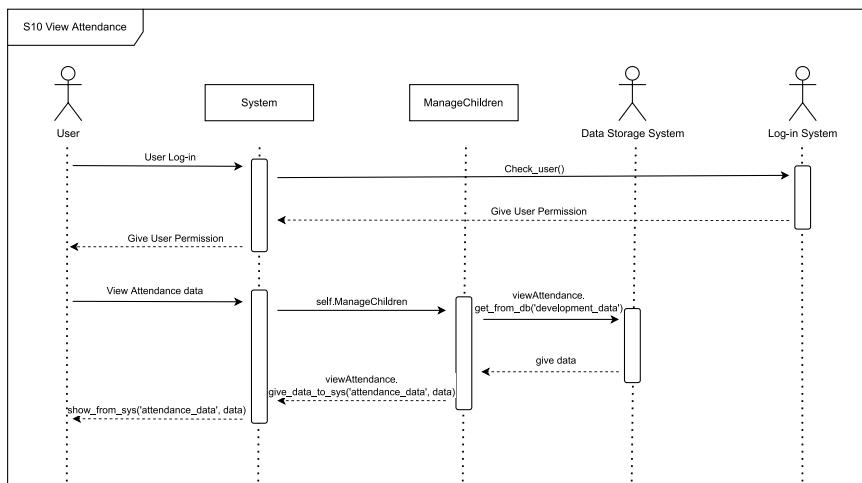
## Justifying Design Decision

1. Analysis model: Didn't consider system UI. Design model: Consider system UI. -> User selects option. (DM09-1, DM09-3)
2. Analysis model: User interacts with system directly. Design model: User interacts with system's UI.

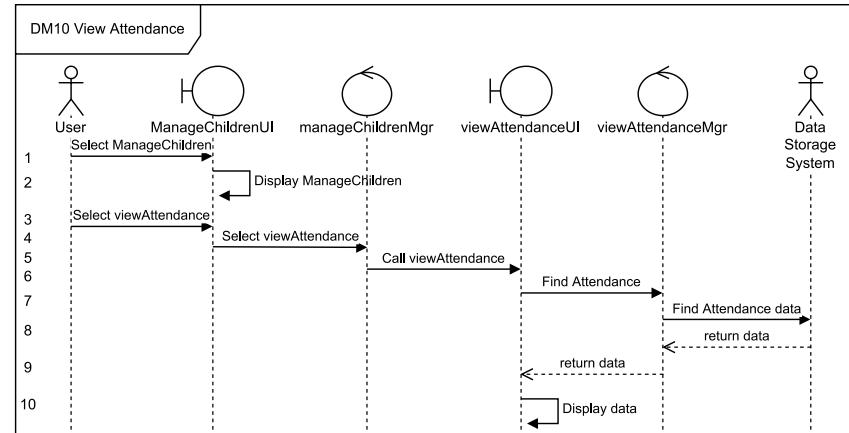
Fine_Kindergarten	Version: <1.0>
Design Models	Date: <12/04/22>

## DM10 View Attendance

Analysis Model (Seq. Diagram)



Design Model



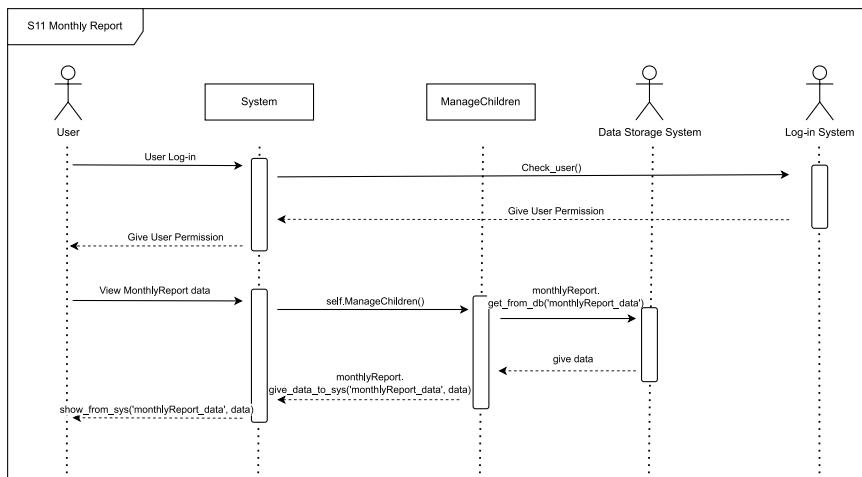
## Justifying Design Decision

1. Analysis model: Didn't consider system UI. Design model: Consider system UI. -> User selects option. (DM10-1, DM10-3)
2. Analysis model: User interacts with system directly. Design model: User interacts with system's UI.

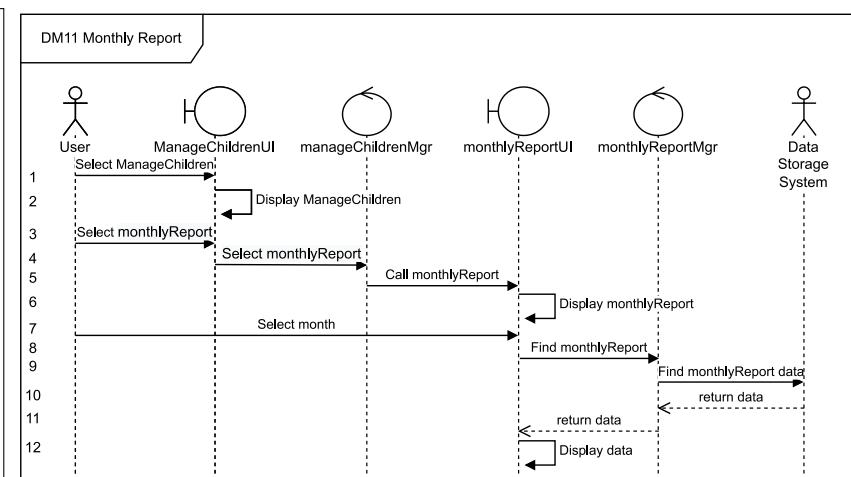
Fine_Kindergarten	Version: <1.0>
Design Models	Date: <12/04/22>

## DM11 Monthly Report

Analysis Model (Seq. Diagram)



Design Model



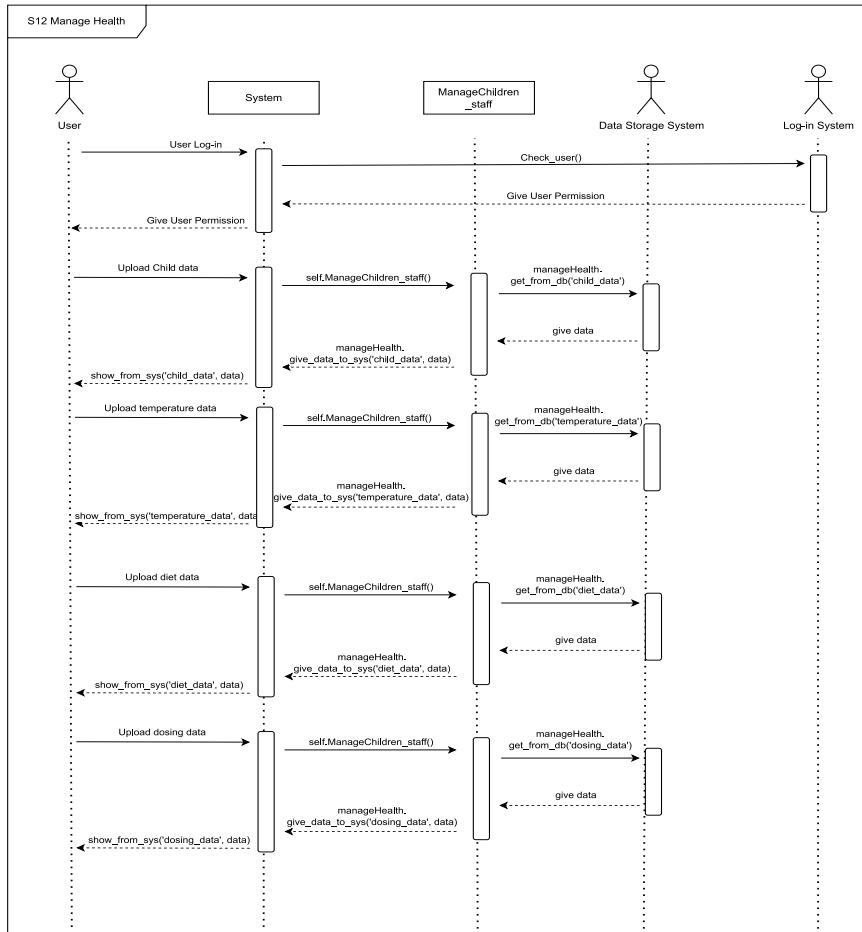
## Justifying Design Decision

1. Analysis model: Didn't consider system UI. Design model: Consider system UI. -> User selects option. (DM11-1, DM11-3, DM11-7)
2. Analysis model: User interacts with system directly. Design model: User interacts with system's UI.

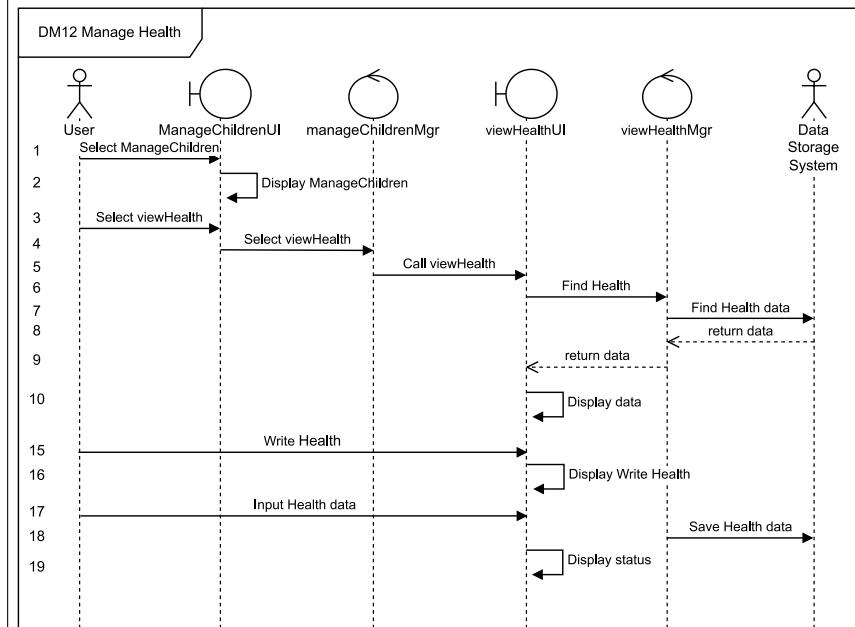
Fine_Kindergarten	Version: <1.0>
Design Models	Date: <12/04/22>

## DM12 Manage Health

Analysis Model (Seq. Diagram)



Design Model



Fine_Kindergarten	Version: <1.0>
Design Models	Date: <12/04/22>

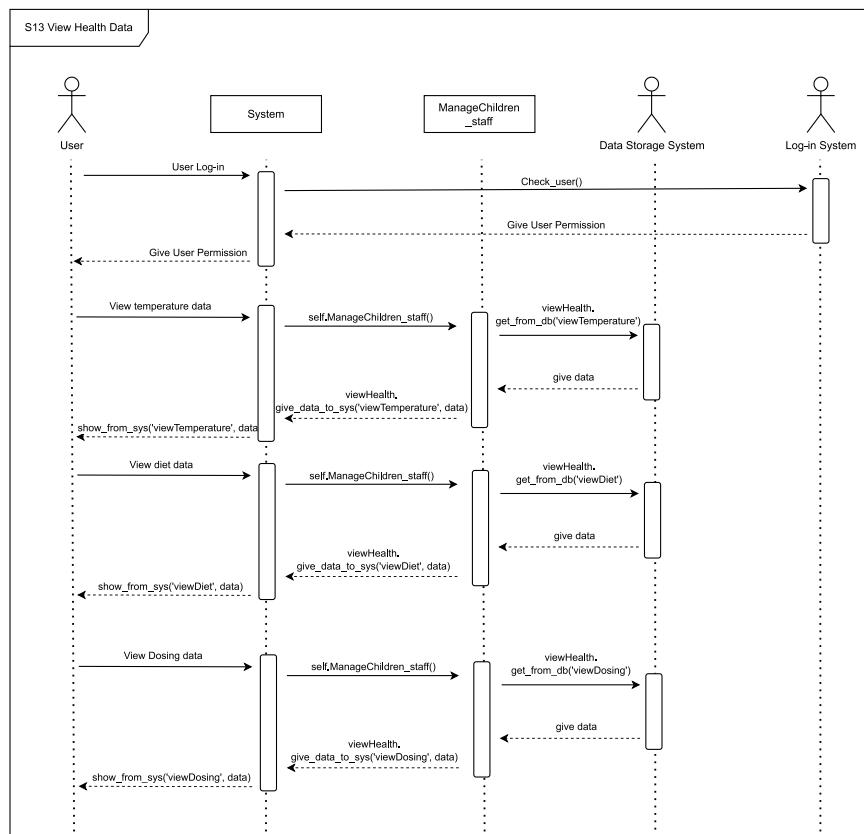
## Justifying Design Decision

1. Analysis model: Didn't consider system UI. Design model: Consider system UI. -> User selects option. (DM12-1, DM12-3)
2. Analysis model: User interacts with system directly. Design model: User interacts with system's UI.
3. Analysis model: Input health data one by one. Design model: Combine all health data. Reason: When we analyze, we thought that inputting health data one by one is reasonable. But when we design, just inputting necessary information is reasonable.

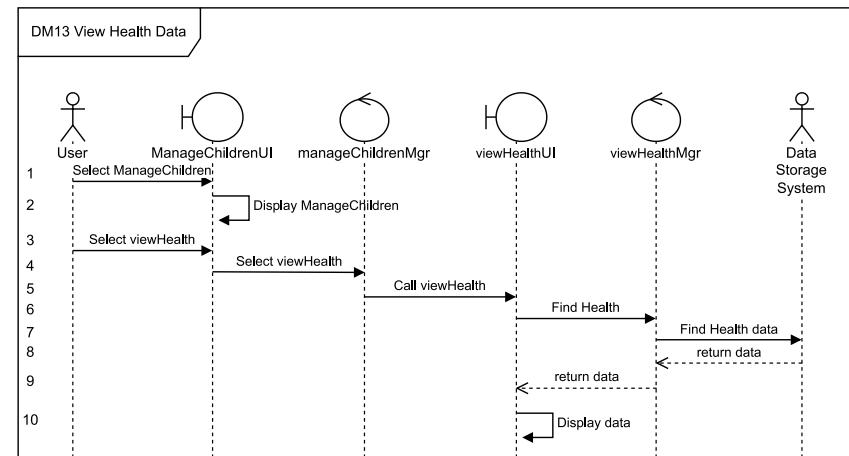
Fine_Kindergarten	Version: <1.0>
Design Models	Date: <12/04/22>

## DM13 View Health Data

Analysis Model (Seq. Diagram)



Design Model



Fine_Kindergarten	Version: <1.0>
Design Models	Date: <12/04/22>

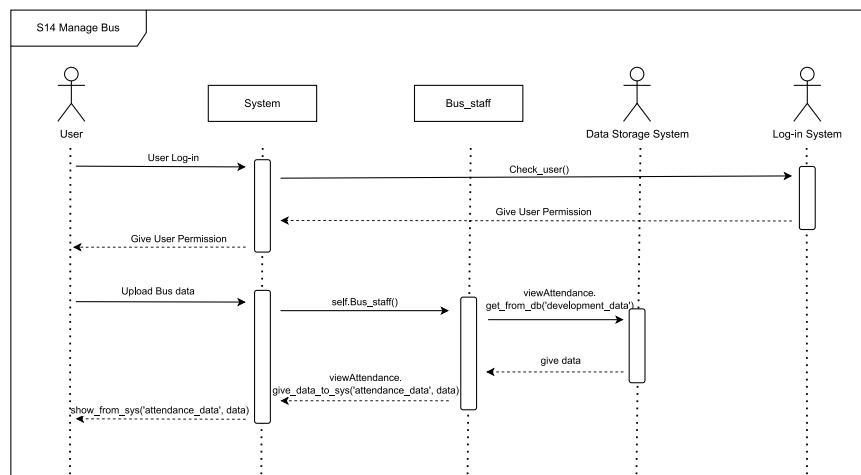
## Justifying Design Decision

1. Analysis model: Didn't consider system UI. Design model: Consider system UI. -> User selects option. (DM13-1, DM13-3)
2. Analysis model: User interacts with system directly. Design model: User interacts with system's UI.
3. Analysis model: User selects one of health data. Design model: User selects health data at once. Reason: This case is just view data, so we decide not to distinguish data.

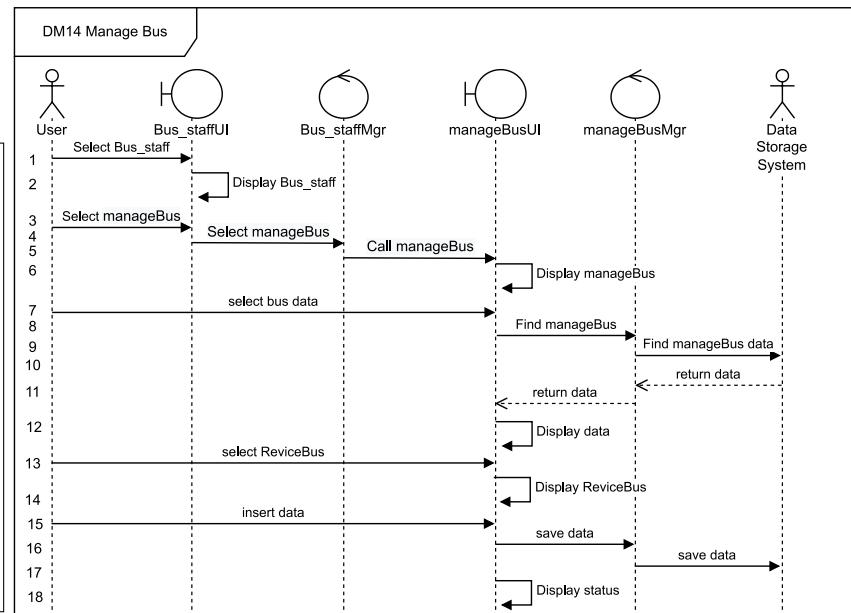
Fine_Kindergarten	Version: <1.0>
Design Models	Date: <12/04/22>

## DM14 Manage Bus

Analysis Model (Seq. Diagram)



Design Model



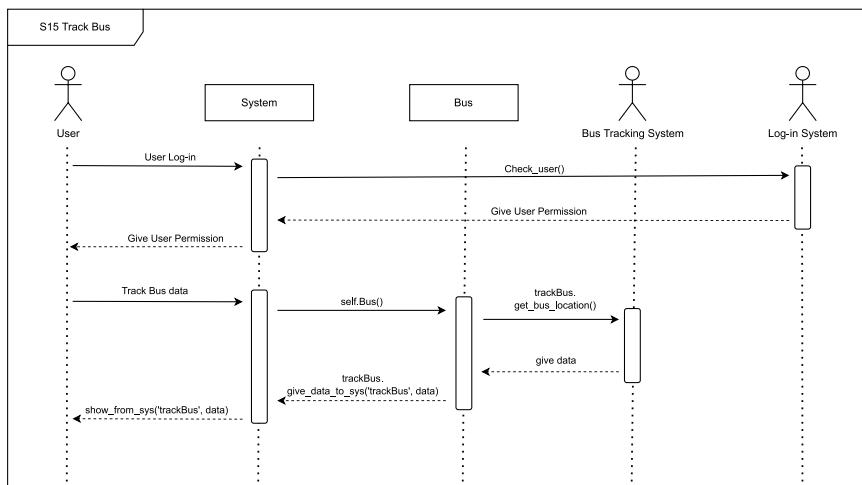
## Justifying Design Decision

1. Analysis model: Didn't consider system UI. Design model: Consider system UI. -> User selects option. (DM14-1, DM14-3, DM14-13)
2. Analysis model: User interacts with system directly. Design model: User interacts with system's UI.

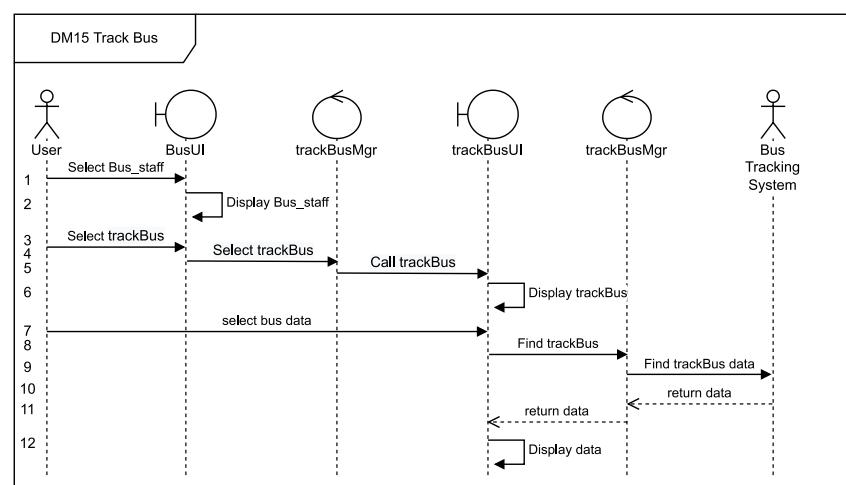
Fine_Kindergarten	Version: <1.0>
Design Models	Date: <12/04/22>

## DM15 Track Bus

Analysis Model (Seq. Diagram)



Design Model



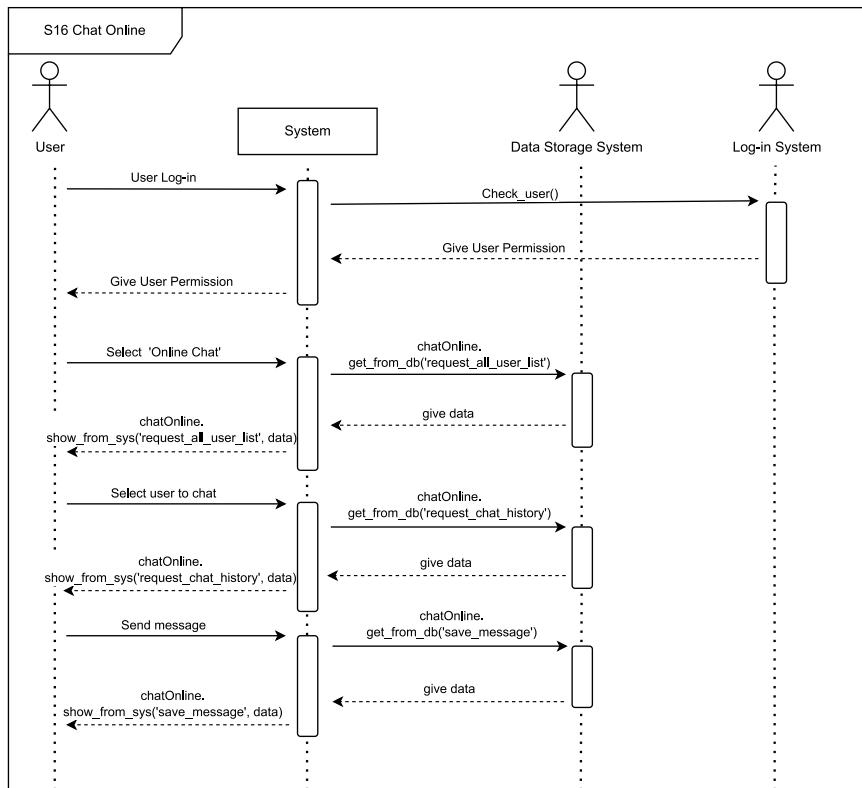
### Justifying Design Decision

1. Analysis model: Didn't consider system UI. Design model: Consider system UI. -> User selects option. (DM15-1, DM15-3, DM15-07)
2. Analysis model: User interacts with system directly. Design model: User interacts with system's UI.

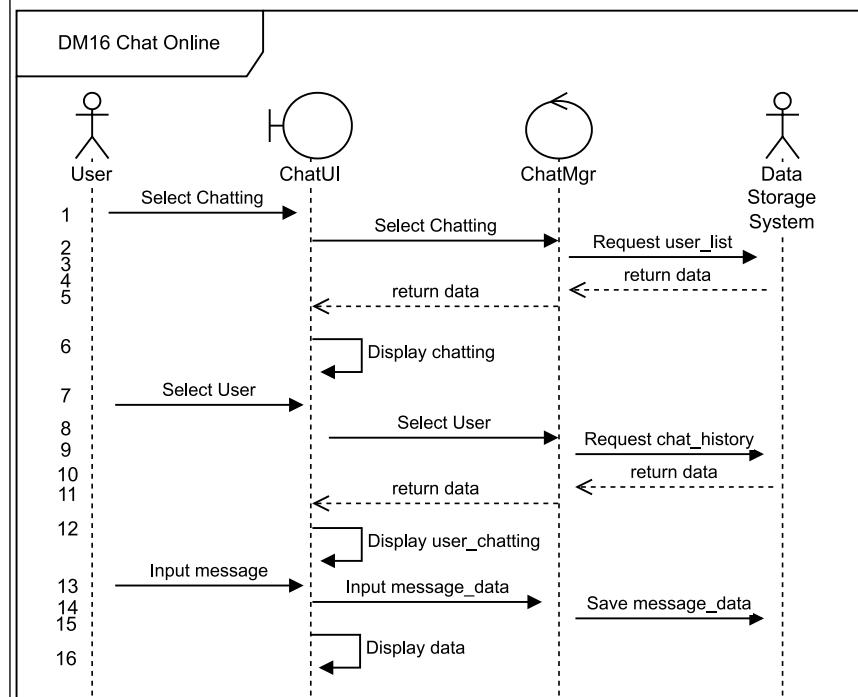
Fine_Kindergarten	Version: <1.0>
Design Models	Date: <12/04/22>

## DM16 Chat Online

Analysis Model (Seq. Diagram)



Design Model



## Justifying Design Decision

1. Analysis model: Didn't consider system UI. Design model: Consider system UI. -> User selects option. (DM16-1, DM16-7)

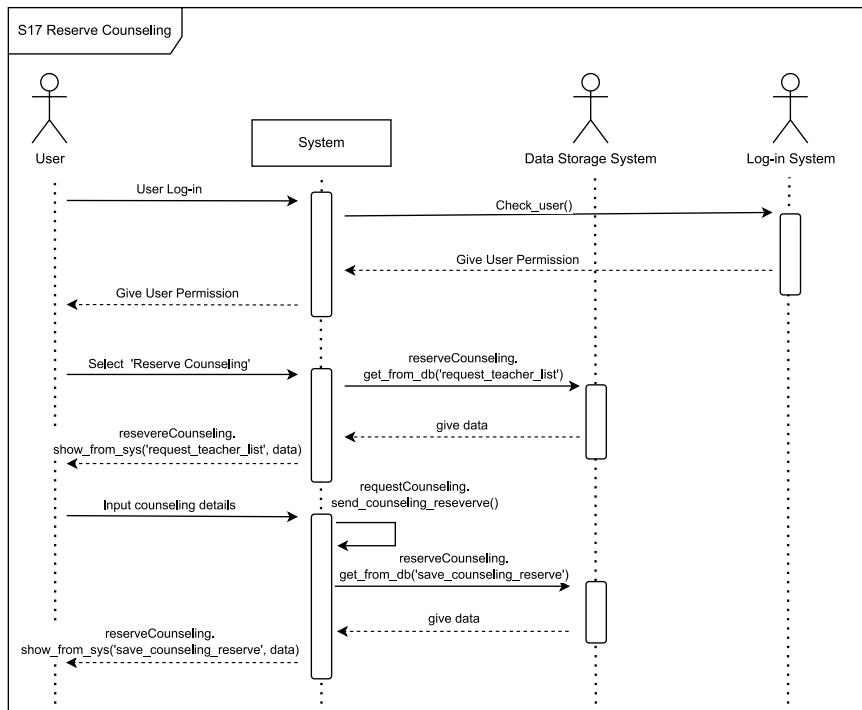
Fine_Kindergarten	Version: <1.0>
Design Models	Date: <12/04/22>

2. Analysis model: User interacts with system directly. Design model: User interacts with system's UI.

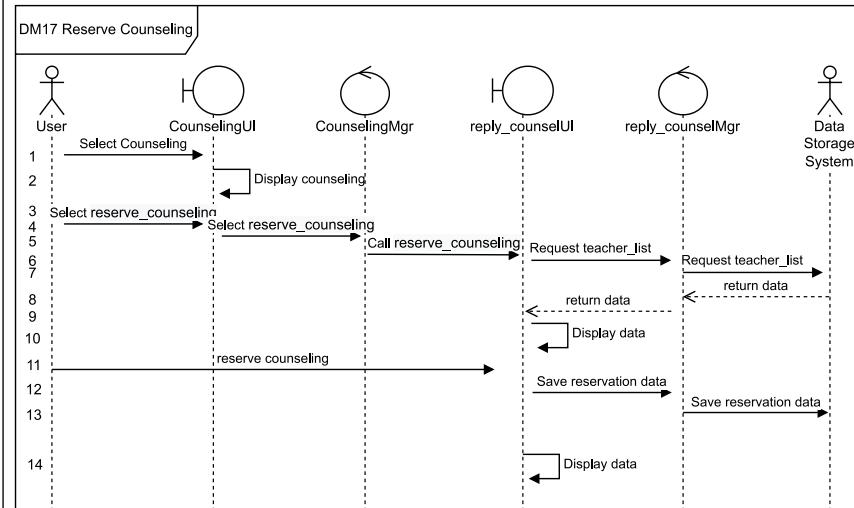
Fine_Kindergarten	Version: <1.0>
Design Models	Date: <12/04/22>

## DM17 Reserve Counseling

Analysis Model (Seq. Diagram)



Design Model



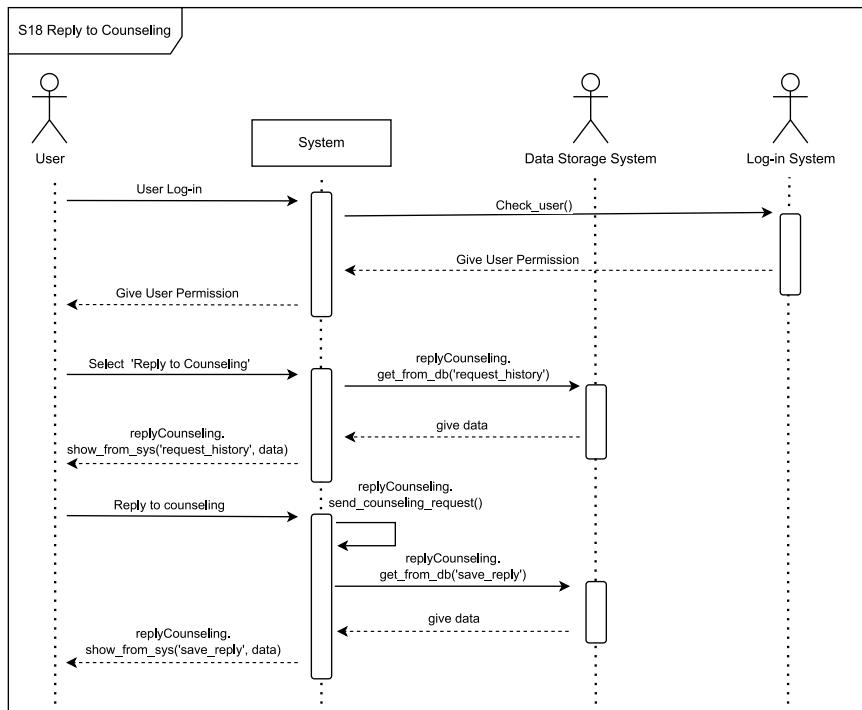
## Justifying Design Decision

1. Analysis model: Didn't consider system UI. Design model: Consider system UI. -> User selects option. (DM17-1, DM17-3)
2. Analysis model: User interacts with system directly. Design model: User interacts with system's UI.

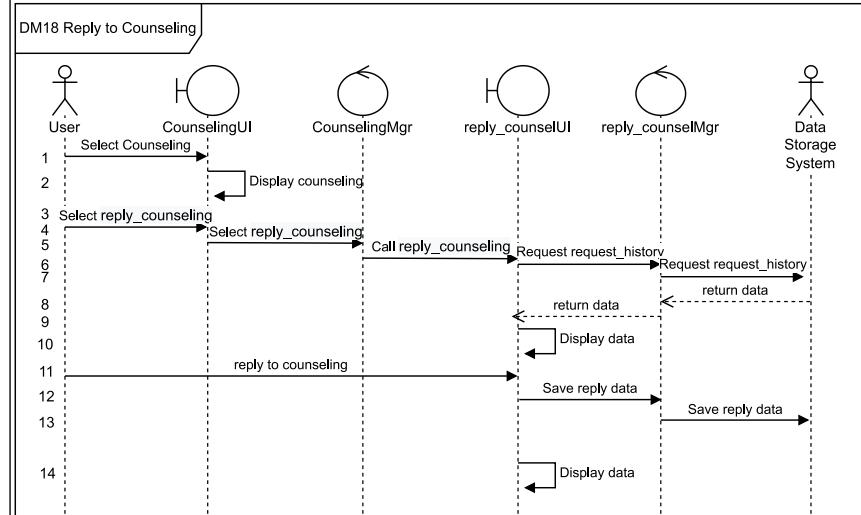
Fine_Kindergarten	Version: <1.0>
Design Models	Date: <12/04/22>

## DM18 Reply to Counseling

Analysis Model (Seq. Diagram)



Design Model



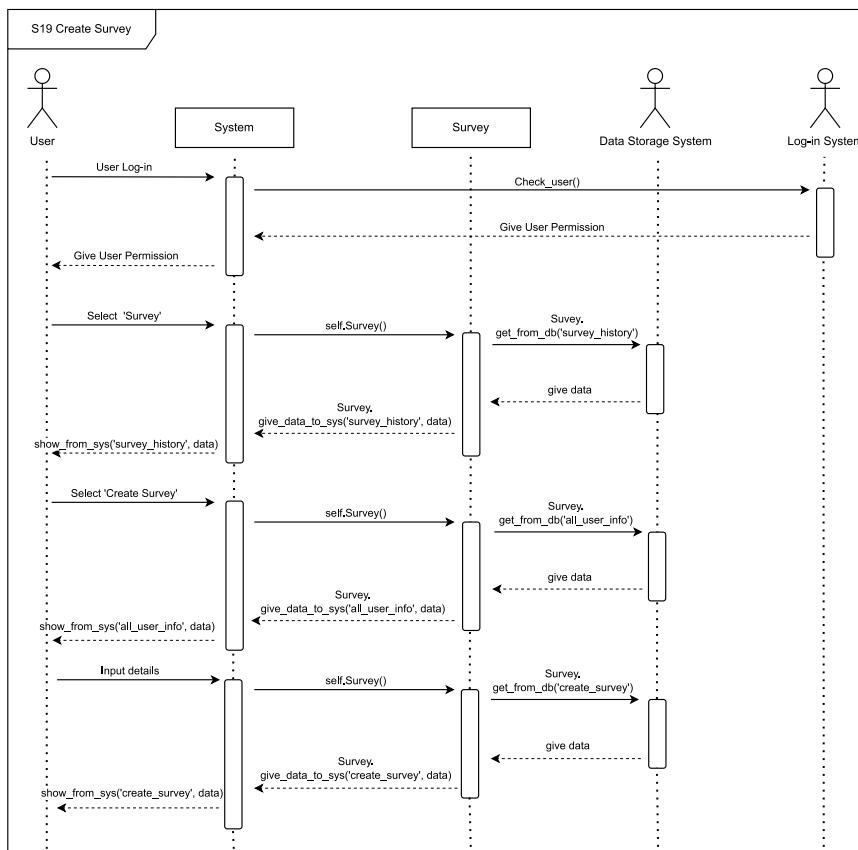
## Justifying Design Decision

1. Analysis model: Didn't consider system UI. Design model: Consider system UI. -> User selects option. (DM18-1, DM18-3)
2. Analysis model: User interacts with system directly. Design model: User interacts with system's UI.

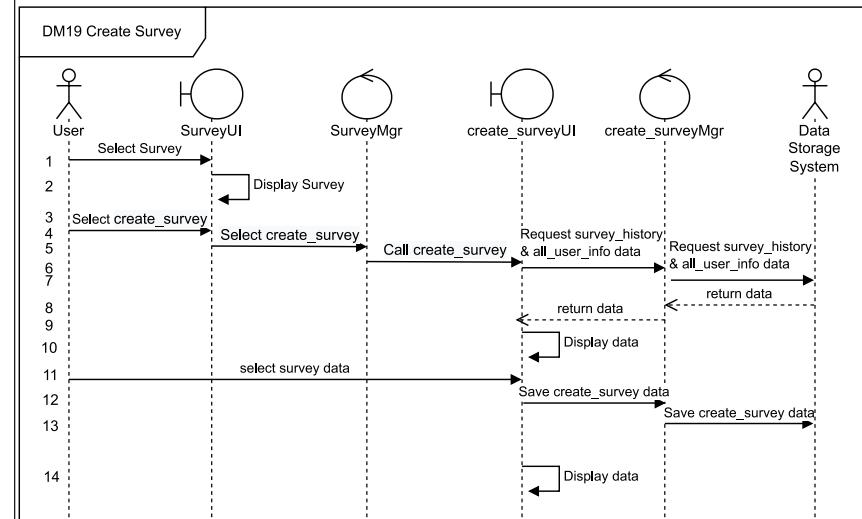
Fine_Kindergarten	Version: <1.0>
Design Models	Date: <12/04/22>

## DM19 Create Survey

Analysis Model (Seq. Diagram)



Design Model



Fine_Kindergarten	Version: <1.0>
Design Models	Date: <12/04/22>

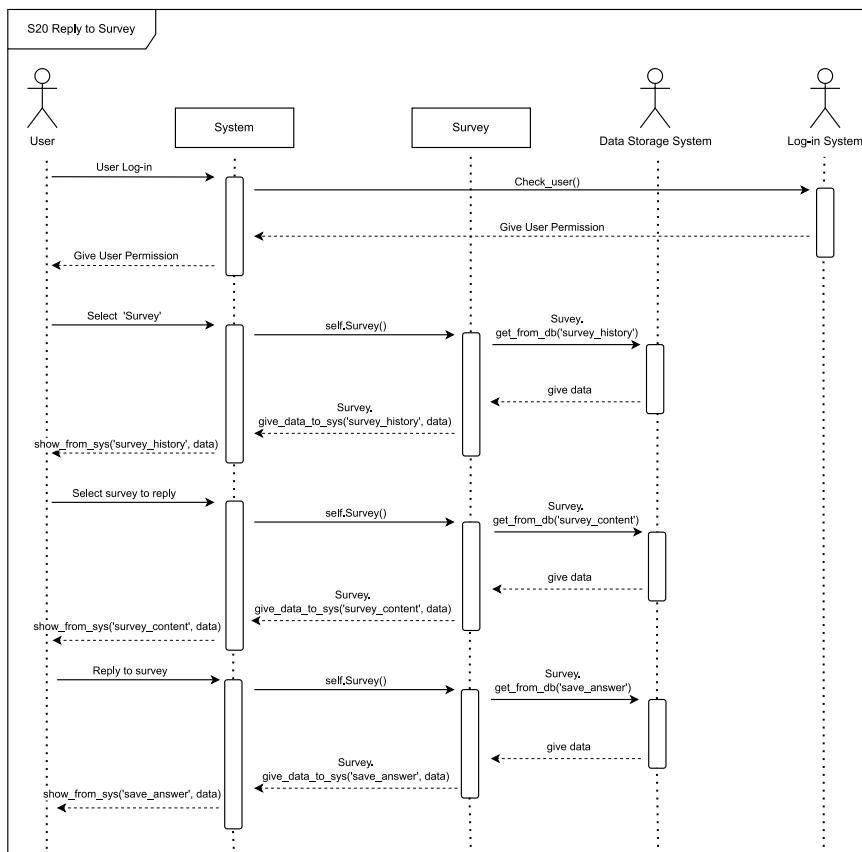
## Justifying Design Decision

1. Analysis model: Didn't consider system UI. Design model: Consider system UI. -> User selects option. (DM18-1, DM18-3, DM18-11)
2. Analysis model: User interacts with system directly. Design model: User interacts with system's UI.

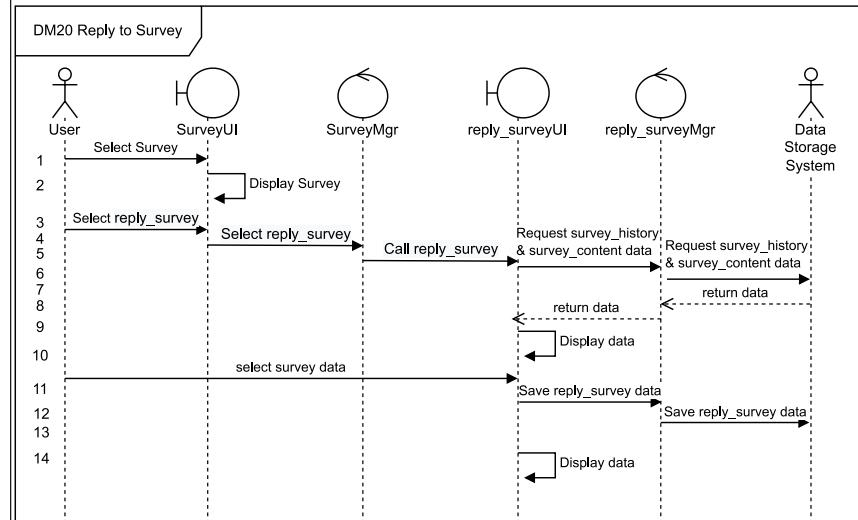
Fine_Kindergarten	Version: <1.0>
Design Models	Date: <12/04/22>

## DM20 Reply to Survey

Analysis Model (Seq. Diagram)



Design Model



Fine_Kindergarten	Version: <1.0>
Design Models	Date: <12/04/22>

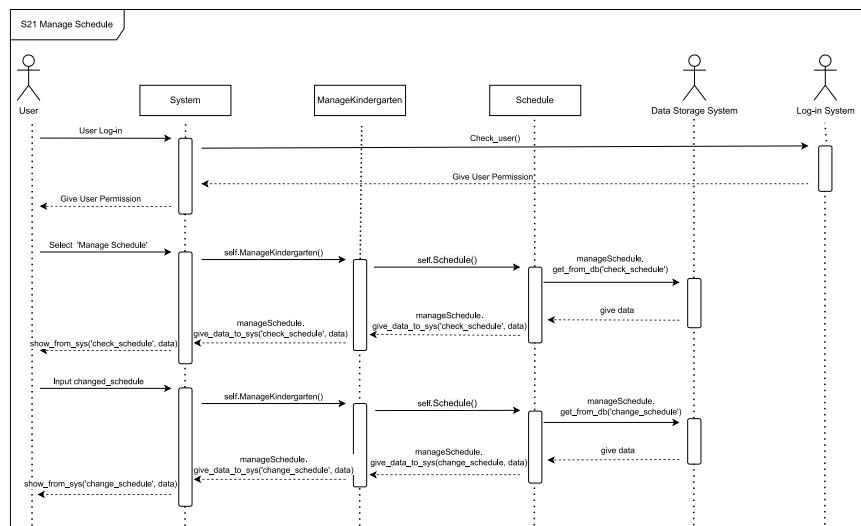
## Justifying Design Decision

1. Analysis model: Didn't consider system UI. Design model: Consider system UI. -> User selects option. (DM20-1, DM20-3, DM20-11)
2. Analysis model: User interacts with system directly. Design model: User interacts with system's UI.

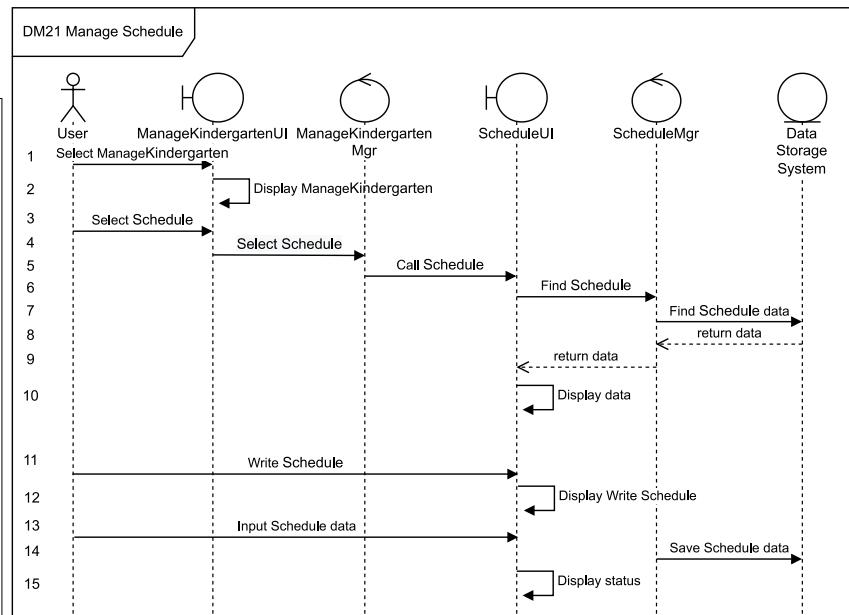
Fine_Kindergarten	Version: <1.0>
Design Models	Date: <12/04/22>

## DM21 Manage Schedule

Analysis Model (Seq. Diagram)



Design Model



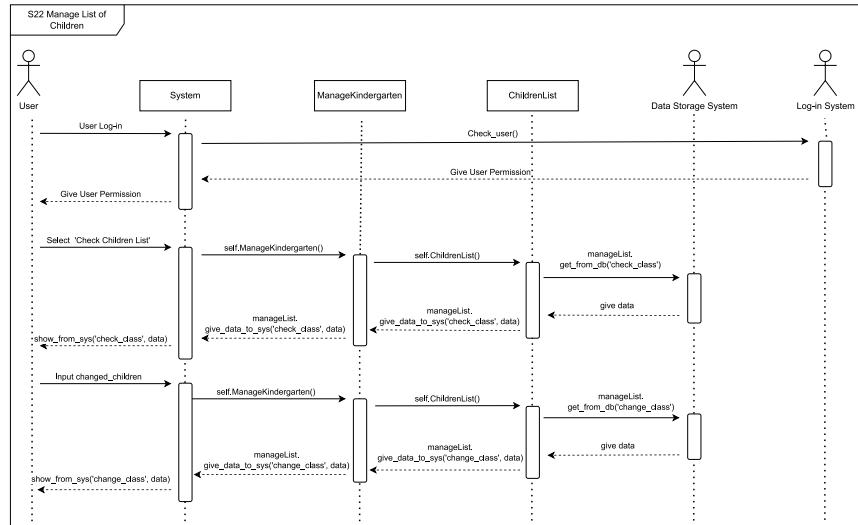
### Justifying Design Decision

1. Analysis model: Didn't consider system UI. Design model: Consider system UI. -> User selects option. (DM21-1, DM21-3)
2. Analysis model: User interacts with system directly. Design model: User interacts with system's UI.

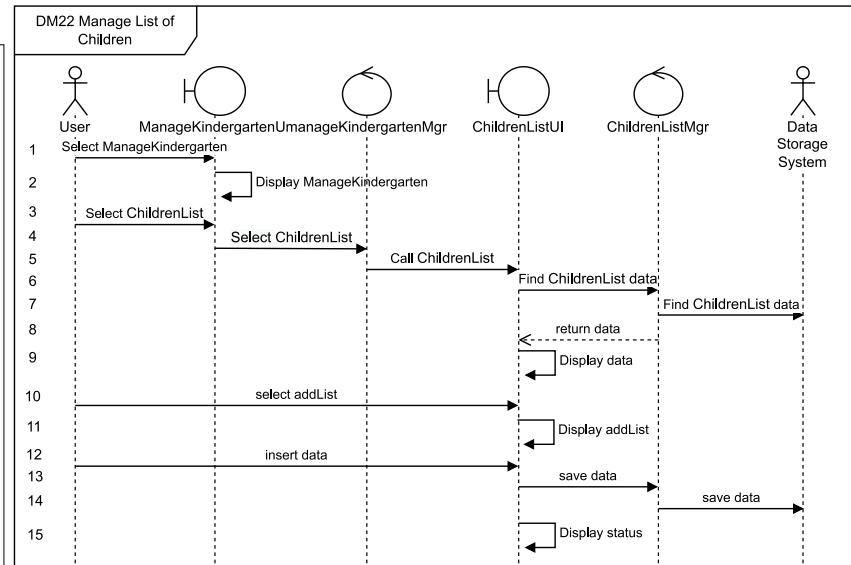
Fine_Kindergarten	Version: <1.0>
Design Models	Date: <12/04/22>

## DM22 Manage List of Children

Analysis Model (Seq. Diagram)



Design Model



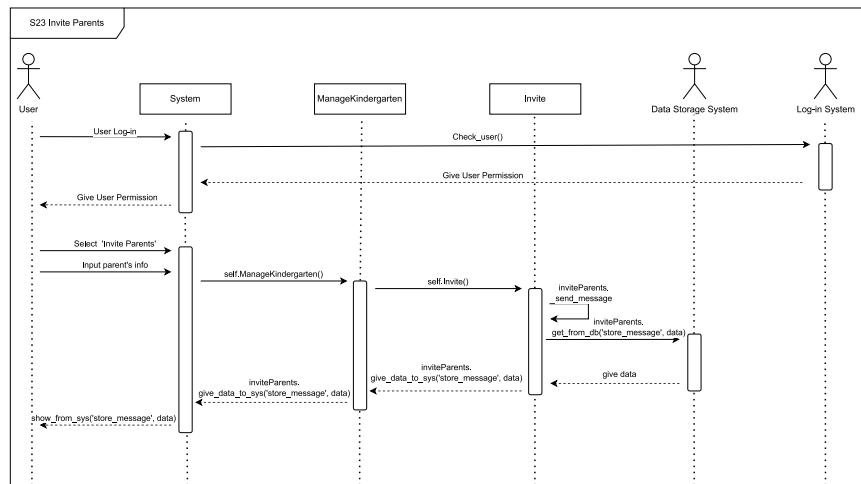
## Justifying Design Decision

1. Analysis model: Didn't consider system UI. Design model: Consider system UI. -> User selects option. (DM22-1, DM22-3, DM22-10)
2. Analysis model: User interacts with system directly. Design model: User interacts with system's UI.

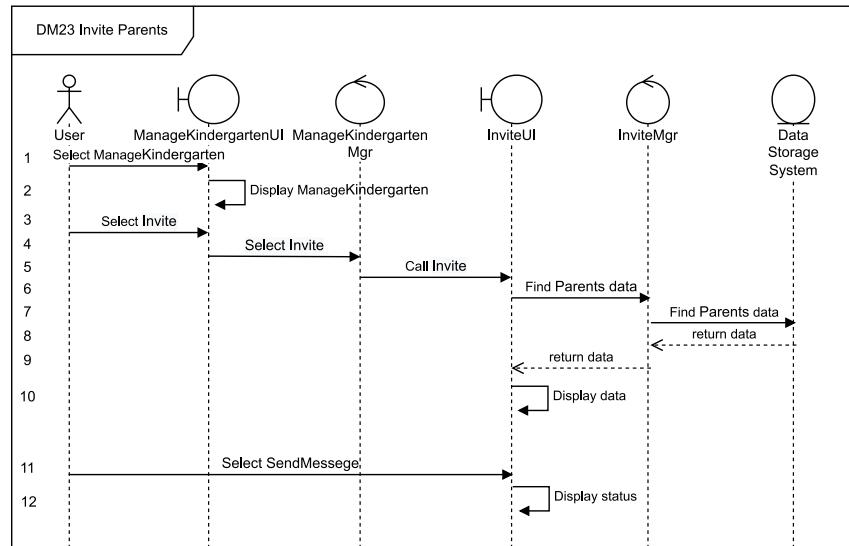
Fine_Kindergarten	Version: <1.0>
Design Models	Date: <12/04/22>

## DM23 Invite Parents

Analysis Model (Seq. Diagram)



Design Model



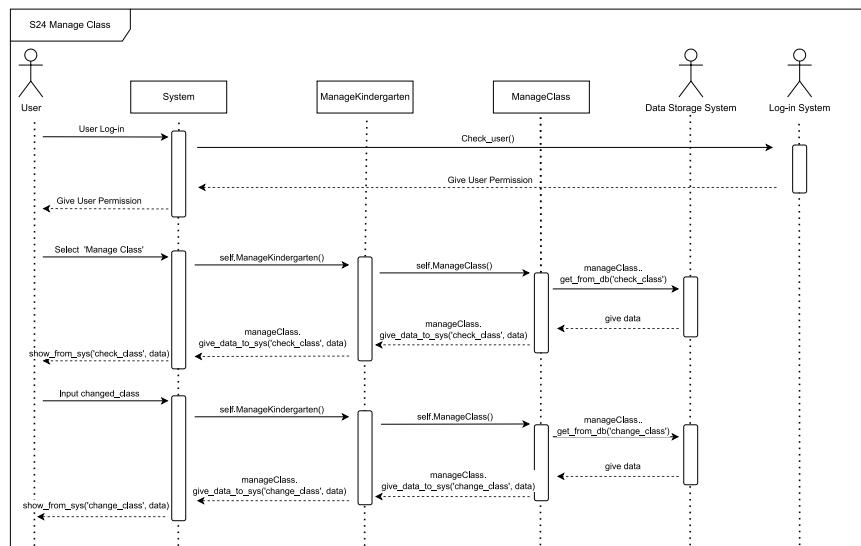
## Justifying Design Decision

1. Analysis model: Didn't consider system UI. Design model: Consider system UI. -> User selects option. (DM23-1, DM23-3, DM23-11)
2. Analysis model: User interacts with system directly. Design model: User interacts with system's UI.

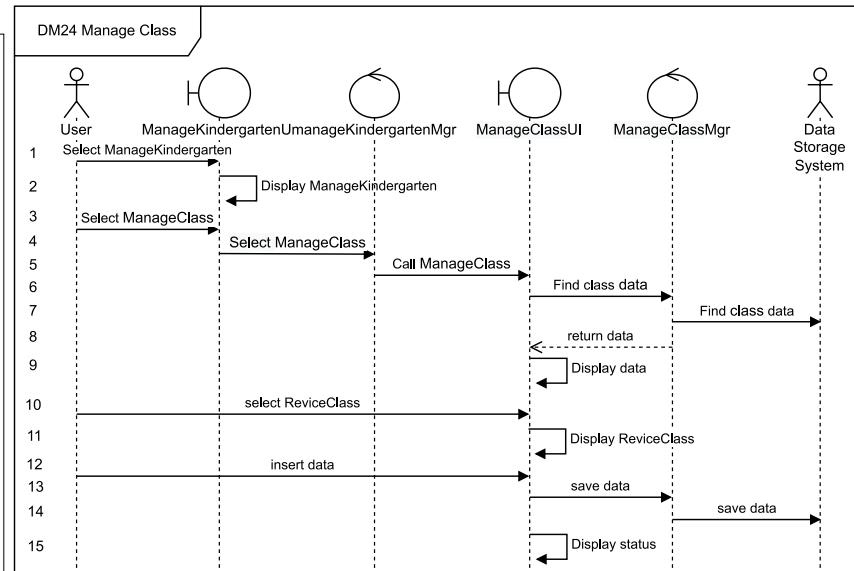
Fine_Kindergarten	Version: <1.0>
Design Models	Date: <12/04/22>

## DM24 Manage Class

Analysis Model (Seq. Diagram)



Design Model



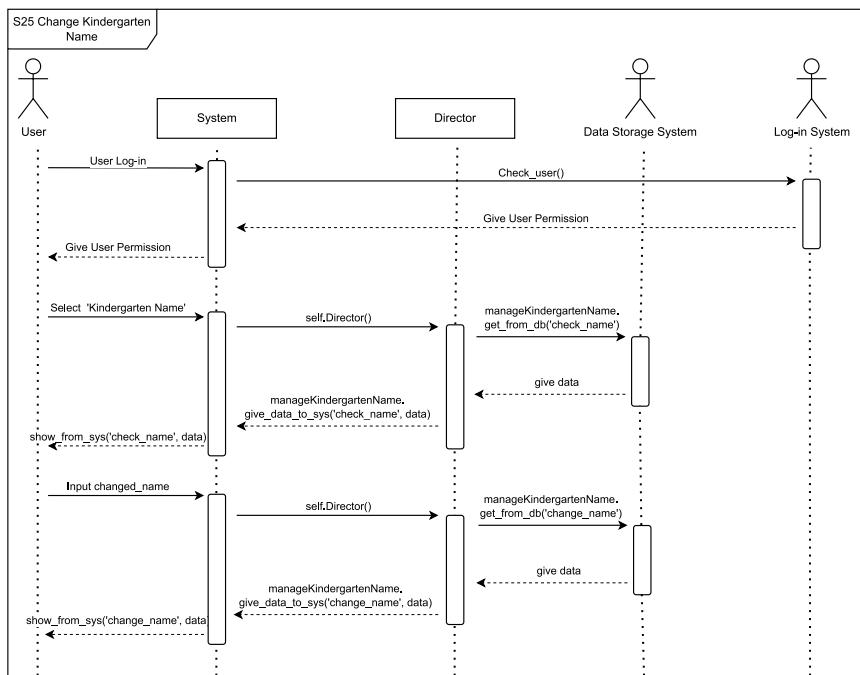
## Justifying Design Decision

1. Analysis model: Didn't consider system UI. Design model: Consider system UI. -> User selects option. (DM24-1, DM24-3, DM24-10)
2. Analysis model: User interacts with system directly. Design model: User interacts with system's UI.

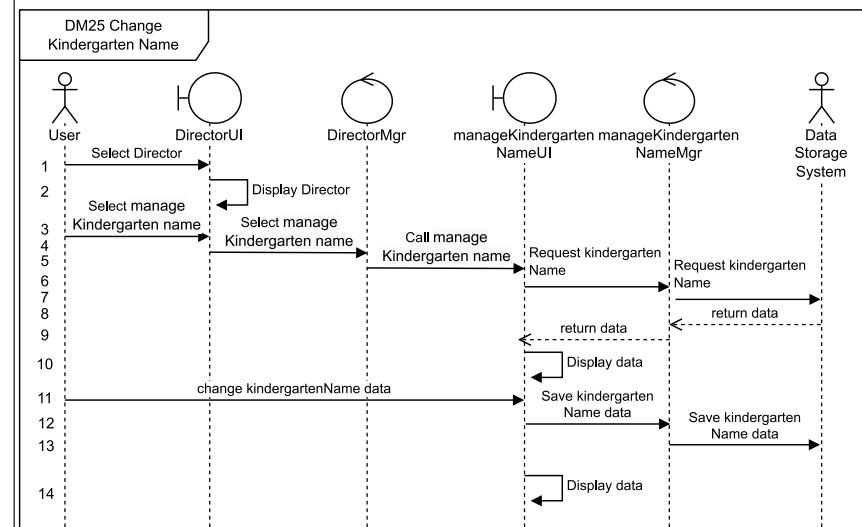
Fine_Kindergarten	Version: <1.0>
Design Models	Date: <12/04/22>

## DM25 Change Kindergarten Name

Analysis Model (Seq. Diagram)



Design Model



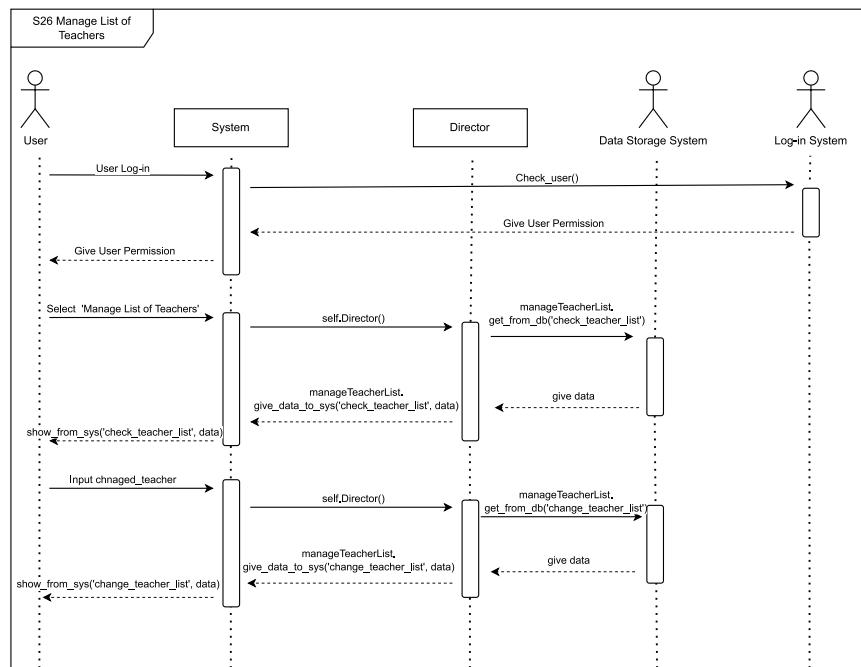
## Justifying Design Decision

1. Analysis model: Didn't consider system UI. Design model: Consider system UI. -> User selects option. (DM25-1, DM25-3)
2. Analysis model: User interacts with system directly. Design model: User interacts with system's UI.

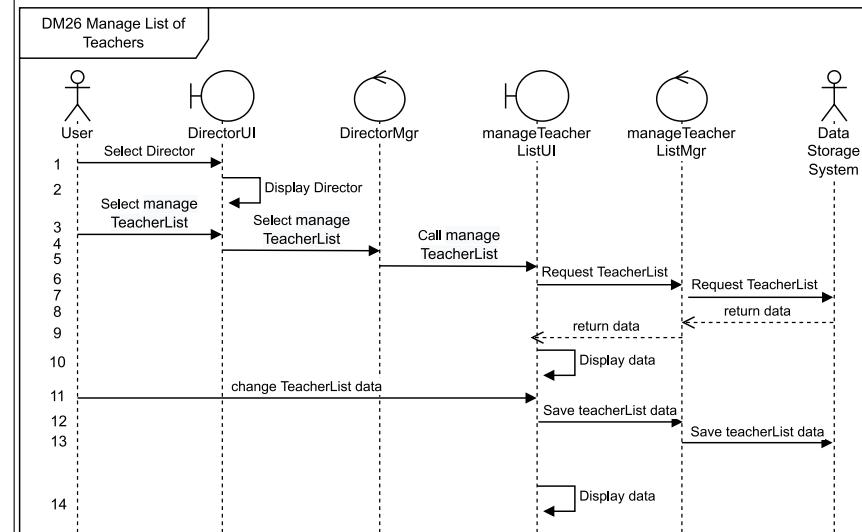
Fine_Kindergarten	Version: <1.0>
Design Models	Date: <12/04/22>

## DM26 Manage List of Teachers

Analysis Model (Seq. Diagram)



Design Model



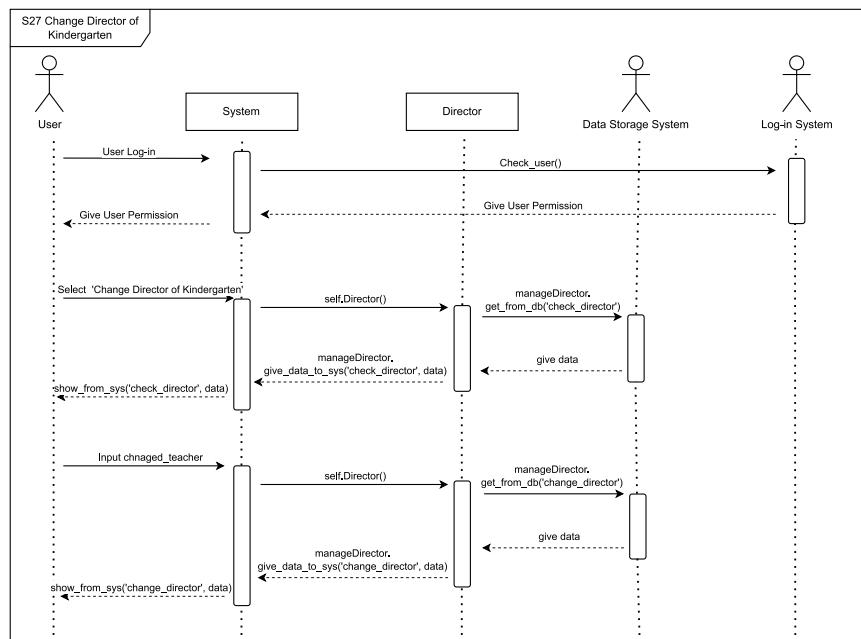
## Justifying Design Decision

1. Analysis model: Didn't consider system UI. Design model: Consider system UI. -> User selects option. (DM26-1, DM26-3)
2. Analysis model: User interacts with system directly. Design model: User interacts with system's UI.

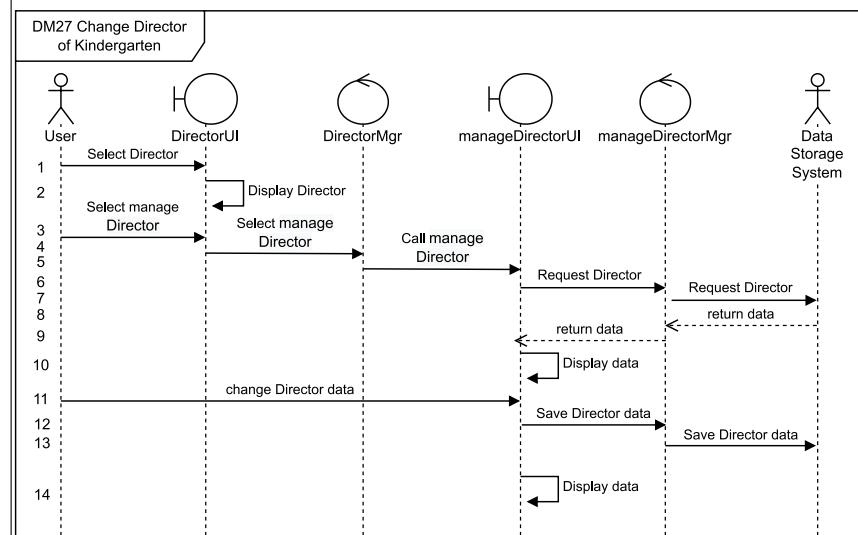
Fine_Kindergarten	Version: <1.0>
Design Models	Date: <12/04/22>

## DM27 Change Director of Kindergarten

Analysis Model (Seq. Diagram)



Design Model



## Justifying Design Decision

1. Analysis model: Didn't consider system UI. Design model: Consider system UI. -> User selects option. (DM27-1, DM27-3)
2. Analysis model: User interacts with system directly. Design model: User interacts with system's UI.