

MVVM pdf

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1 Introduction

1.1 What is MVVM design model?

It is Model-View-viewModel design model. Here is a blog link that author explains *the MVVM model with one example*.

2 The Application Introduction

2.1 Functions

This application be programmed by C# and it allows users to edit events and view them.

2.2 Architecture

Data:simulate database to control data.

Model:target objects be designed as bean class.

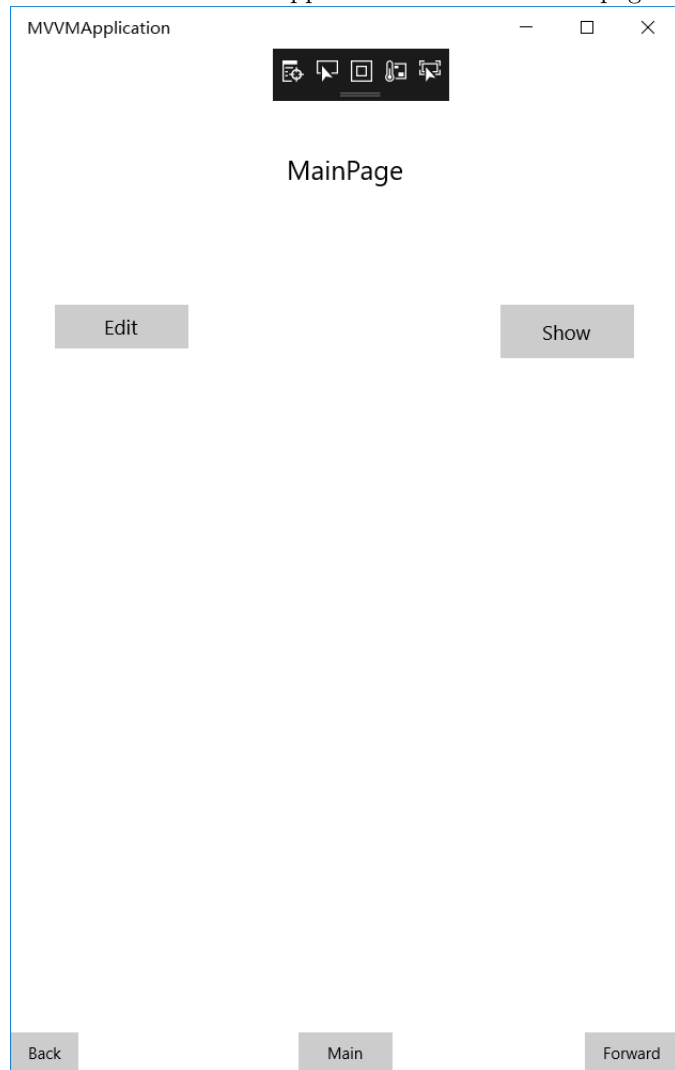
View:All visible control pages.

ViewModel:Encapsulate code that application will need.

2.3 Excepted Result

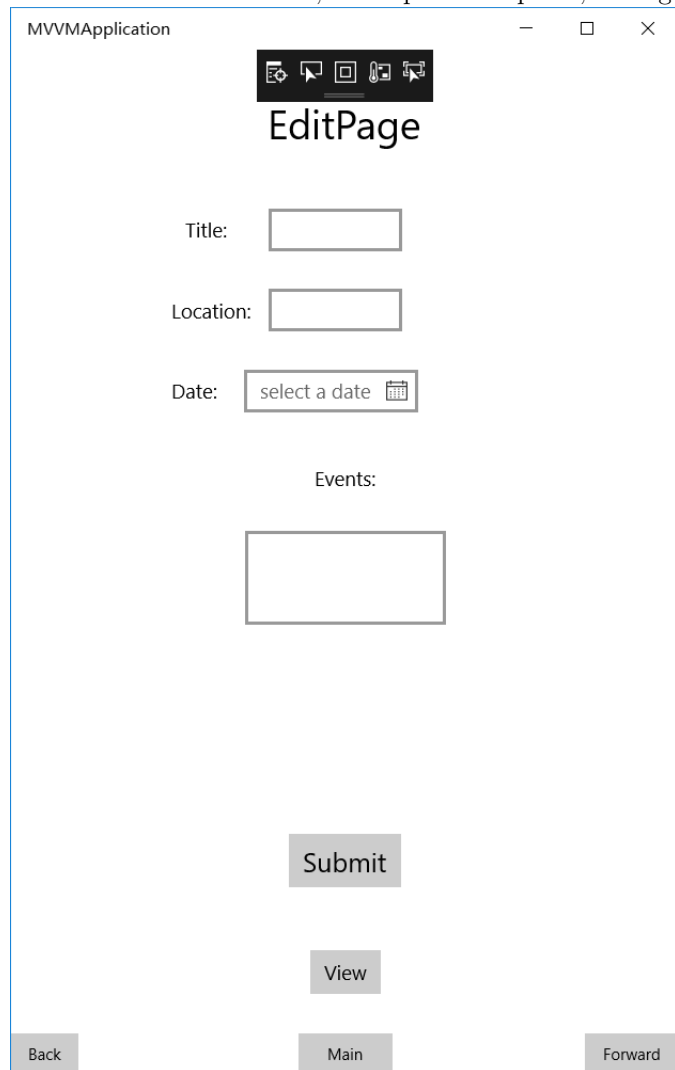
2.3.1 Initial Page

All of buttons can be tapped and turn over a new page with their command.



2.3.2 Edit Page

There are several textboxes, a datapicker UI panel, a image control and buttons.




The screenshot shows a Windows application window titled "MVVMApplication". Inside the window, the title "EditPage" is displayed at the top. Below the title, there is a toolbar with five icons: a document with a plus sign, a document with a minus sign, a document with a square, a document with a magnifying glass, and a document with a trash can. Below the toolbar, there are three input fields: "Title:" followed by a text box, "Location:" followed by a text box, and "Date:" followed by a date picker control showing "select a date" and a calendar icon. Below these fields is a label "Events:" followed by a large empty text box. At the bottom of the window, there are four buttons: "Submit", "View", "Back", "Main", and "Forward".

All information will be saved after click "Submit" button.

MVVMApplication


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EditPage

Title:

Location:

Date: 

Events:

Your editing has been saved

OK

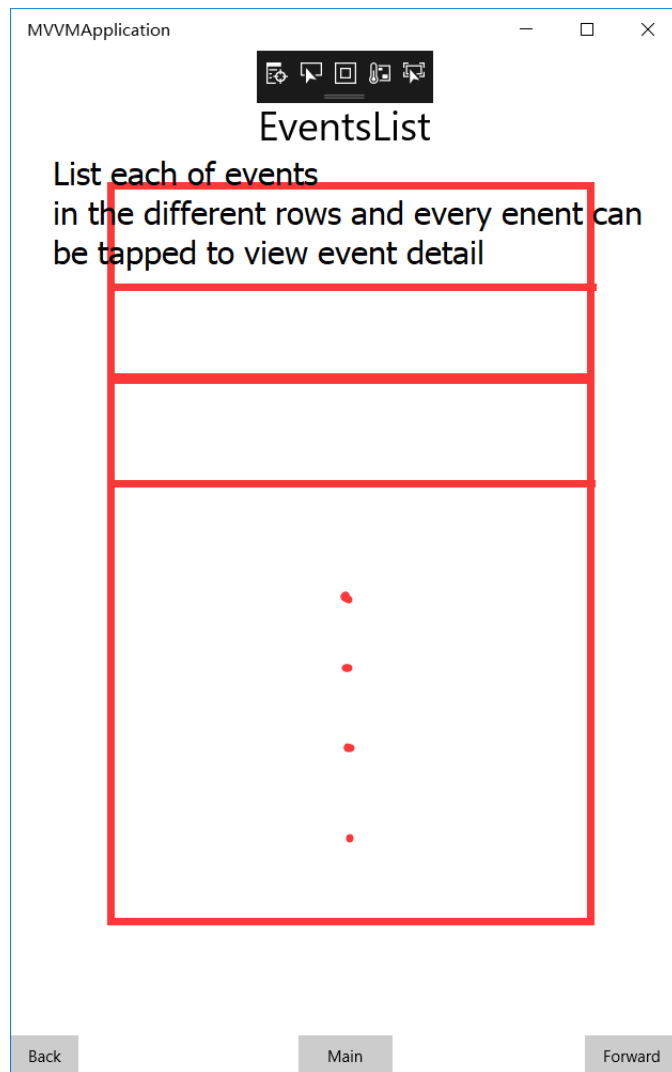
Submit

View

Back Main Forward

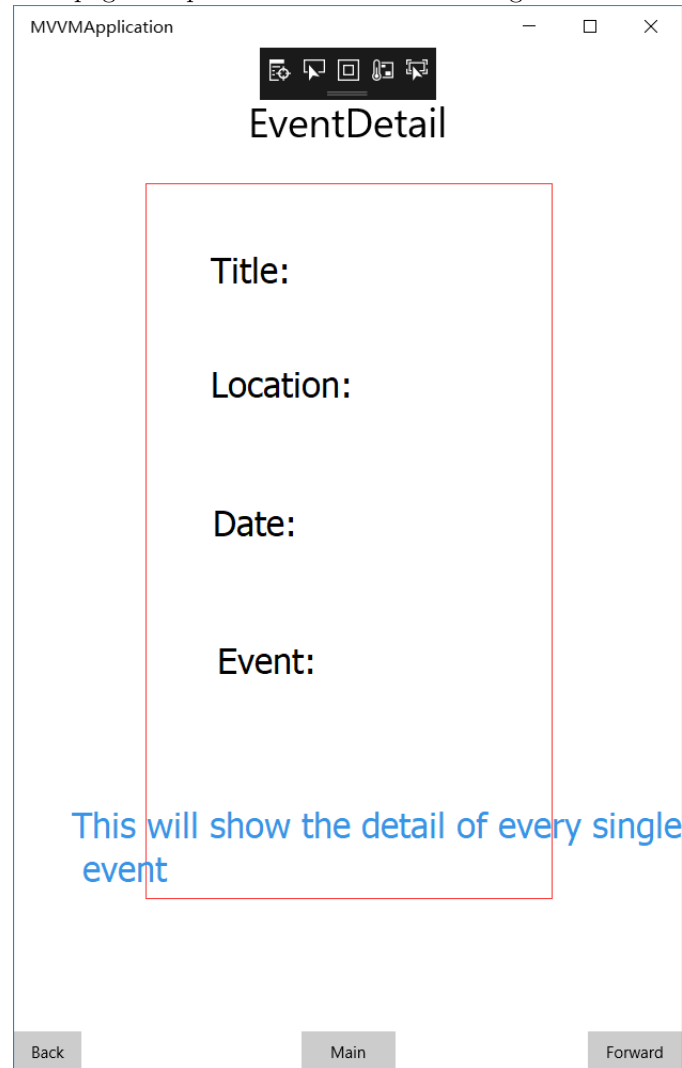
2.3.3 Show Page

This page will display all of events that be saved in the simulated database and each single item can open a new page that display details.



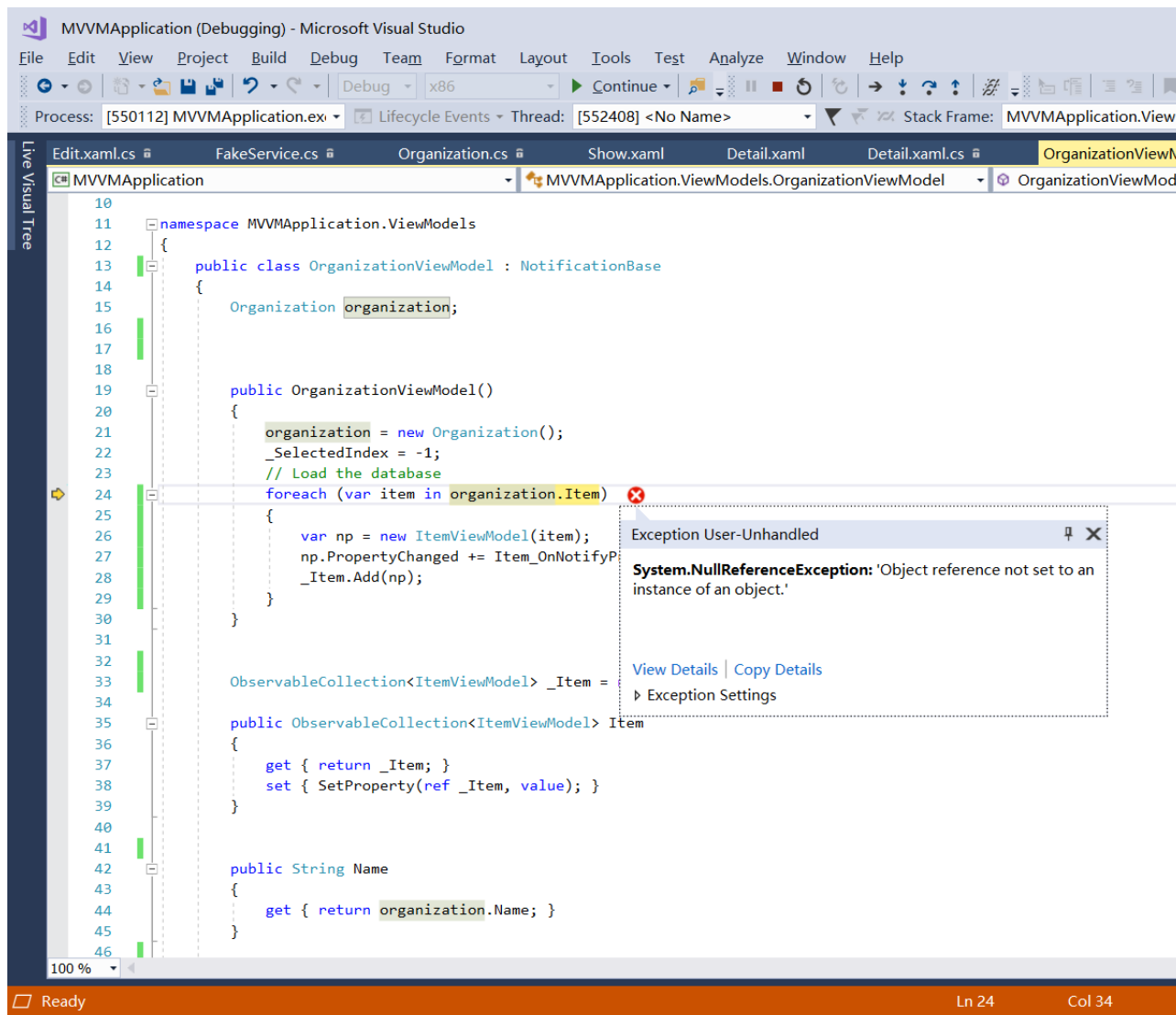
2.3.4 Detail Page

This page will present the detail of one single event.



3 Conclusion

The expected result is this application should be work successful with MVVM design model but there are some issues that make application can not pass values into items and load them that be saved in the simulated database when open the show page.



It obviously has some problems between edit and show pages when they binding data and exchanging them.

