

SAP FIORI Application

The Learning App

1) Story

The Learning App provided every employee within a company a 'to do' overview of what learning items he/she has to follow within the company, as well as an overview of every learning item that is in his/her history (i.e. what he/she already followed). The latter include grading points & how he/she scored on the item compared to peers within the company.

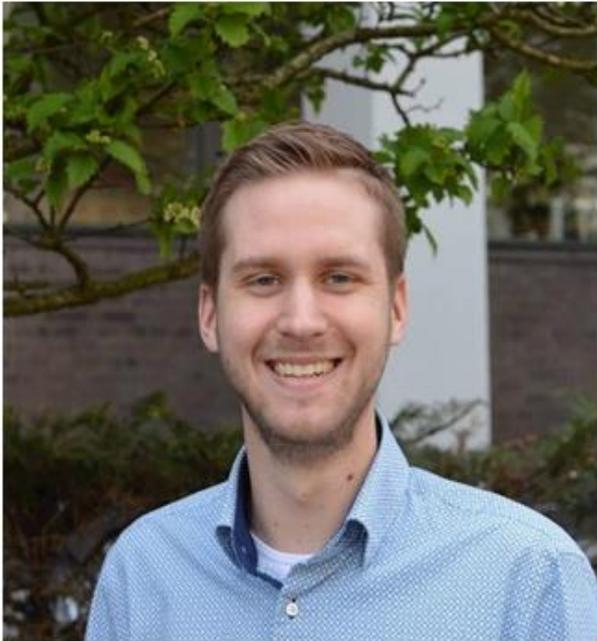
There's also a catalog in which he/she can select a new item which he/she wants to add to the 'to do' list.

Since there is an increasing pace of change in the business environment, it's highly critical for a company to have Human Capital Management applications which help them to cope with this accelerating pace. Industries & technologies are changing rapidly, so training employees for new features is necessary in companies who are dealing with this kind of change a lot & need both continuous learning and knowledge-sharing.

Important industries to think about are consulting, technology, ICT, sciences,... The Learning App will make training much more effective & visible within the company due to an easy overview of all upcoming learning items shown to employees, day by day. Grading & history will stimulate the employee as well to go to training, perform at their best (healthy internal rivalry) & motivate them to take new courses regularly.

The Learning application will provide businesses with a more effective way of getting employees to the organized trainings, since their app will inform them real-time which sessions are coming up. They will be stimulated to go to the session & to obtain good grades since these are shown in the app & they will get a ranking compared to others. The catalog functionality will ensure that every employee is aware of the newest courses, whereas the history feature assures that learning can be tracked, which is a benefit for companies who have to reach certain training quota/criteria within their workforce. This makes the app interesting for both employees who follow the training as well as HR who gets an aggregated overview very easy.

2) Persona



Quinten

The Developer

“In order to keep our products competitive, I need to be aware of the newest technologies everyday. Getting trained regularly at work is the most important thing for me.”

ABOUT

28, engaged, Brussels: Business Capital of Europe
6 years IT Development experience

WORKS WITH

Co-developers, Business Engineers, End-User Testers

JOB RESPONSIBILITIES

- I am responsible for building new business-specific applications.
- I am responsible for maintaining existing business-specific applications by using newest technologies & update regularly.
- I spend more than half of my time at developing, but I'm also expected to put effort in learning new developing technologies via the courses provided within my company.

NEEDS

- I need to have a clear overview of every training that is available on every topic that interferes with my developer job.
- I need to be able to know exactly when I can follow which training since project deadlines are also part of my weekly planning.
- I need to have an overview of which courses I've followed since it's impossible to keep track manually which versions of course-topics I did or did not follow yet.
- I need to have an overview of my history including certificates/grading in order to have proof of following and succeeding in my trainings. Without I'm prohibited of using the new technology at work.

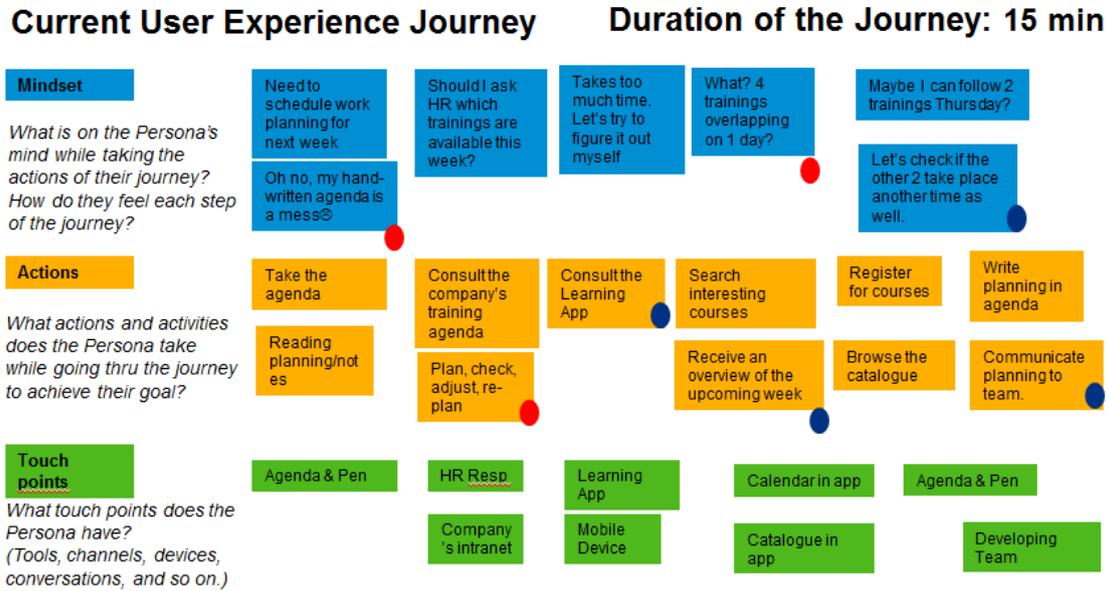
MAIN GOALS

- Being the person who can maintain existing applications & keeping them attractive to end-users by implementing newest technologies. I'm expected to have up-to-date knowledge.
- Better project management by knowing when I have to follow courses & thus creating an optimal planning each week.

PAIN POINTS

- Technologies update very quickly; I do not have an overview of what training my company provides me on these new topics
- I do not have an electronic overview of my results, grading, certificates & history. Only paper which I might lose.
- I cannot plan my learning-time since there is no clear overview of which courses are coming up

3) User Experience Journey



4) Point of View

Quinten, the Developer, needs a way to summarize quickly his training certificates & grades so that he can start applying all new learning in his work, thanks to this proof of completion.

5) Mockup

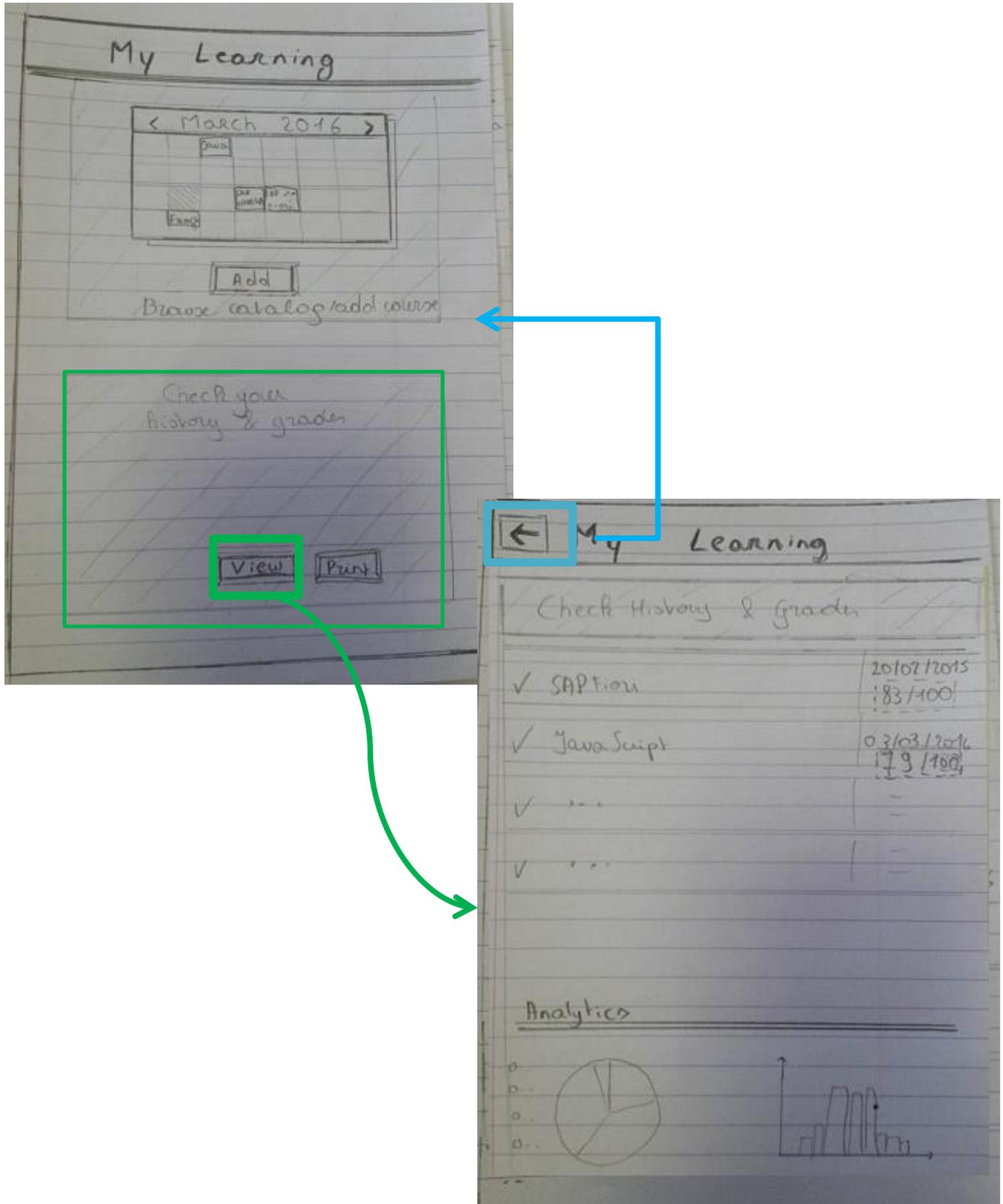
Prototype Preview: Link to BUILD

https://standard.experiencesplash.com:443/api/projects/4cbd7151a598c14b0baa7e4f/prototype/snapshot/latest/index.html#/1458034183426_S1

Prototype: overview hand-written sketches

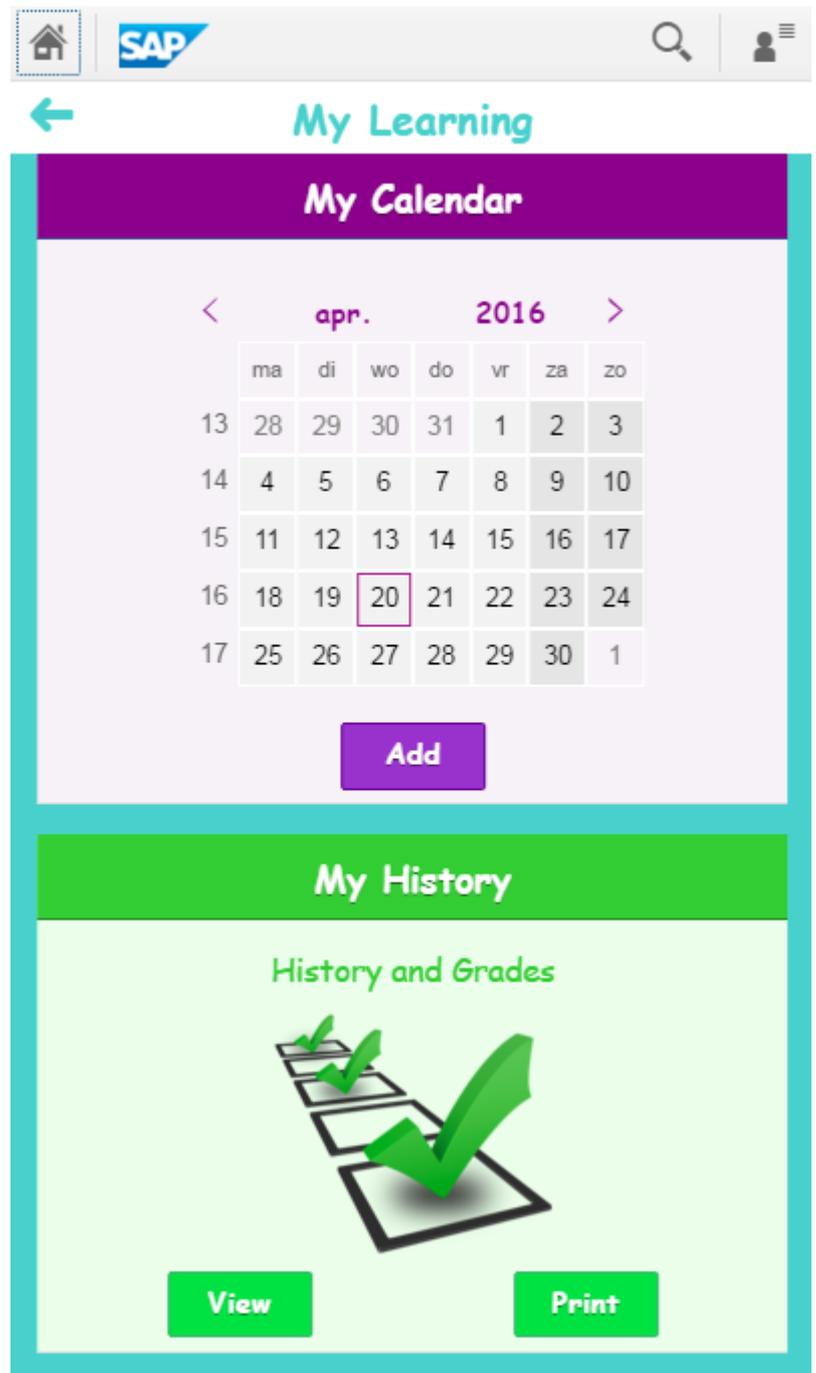
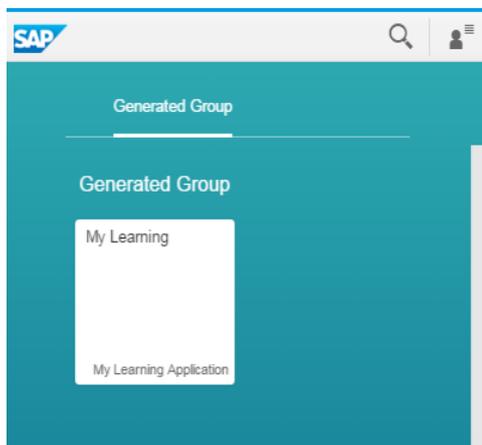
(Develop Example: from HOME PAGE to My HISTORY & back)

(Design Example: see previous submission; including screenshots of My CATALOG feature)



6) SAP Web IDE App Prototype

Starting from Fiori LaunchPad, accessing the "My Learning" application by clicking the tile. The Home Page is shown, including the 2 learning features: "My Calendar" & "My History".



Going to the "My History" feature, will allow you to click "View" in order to have a summary of completed Training Items.



The screenshot shows the 'My Learning' interface. At the top, there's a search bar with 'Zoeken' and a search icon. Below is a table with 4 items. At the bottom, there's a bar chart titled 'Vlaamse Biologie Olympiade 2016 - Eerste Ronde'.

Status	Item	Completion
✓	Business French	18th of April, 2016 62/100
✓	JavaScript: Advanced	30th of June, 2015 73/100
✓	JavaScript: Basic	27th of July, 2014 78/100
✓	SFSF Introduction	5th of March, 2016 89/100

Vlaamse Biologie Olympiade 2016 - Eerste Ronde

Score Range	Count
0-9	1
10-19	6
20-29	89
30-39	171
40-49	585
50-59	753
60-69	532
70-79	340
80-89	101
90-100	32

An overview of grades, analytics & more detailed information per item, is shown as well. The latter is trackable via clicking the item (or arrow to the right) in the list, which colors up when hovering, for easy-visibility.

Searching is also possible. The number of results, is shown above the Item List.

The screenshot shows the 'My Learning' interface with a search bar containing 'JavaScript'. The table below shows 2 results.

Status	Item	Completion
✓	Business French	18th of April, 2016 62/100
✓	JavaScript: Advanced	30th of June, 2015 73/100
✓	JavaScript: Basic	27th of July, 2014 78/100

The screenshot shows the 'My Learning' interface with a search bar containing 'JavaScript'. The table below shows 2 results.

Status	Item	Completion
✓	JavaScript: Advanced	30th of June, 2015 73/100
✓	JavaScript: Basic	27th of July, 2014 78/100

The screenshot shows the SAP My Learning interface. At the top, there is a navigation bar with a home icon, the SAP logo, a search icon, and a user profile icon. Below this is a header with a back arrow (highlighted by a mouse cursor) and the text "My Learning". Underneath is a sub-header "History & Grades (4)" with a search box labeled "Zoeken". The main content is a table with the following data:

Status	Item	Completion	
✓	Business French	18th of April, 2016 62/100	>
✓	JavaScript: Advanced	30th of June, 2015 73/100	>
✓	JavaScript: Basic	27th of July, 2014 78/100	>

Returning back to the Homepage in order to access the other functionalities, is possible via the 'back' arrow, on the upper-left side of the screen, which 'pops' out of the screen when hovering over it.



The screenshot shows the SAP My Learning interface. At the top, there is a navigation bar with a home icon, the SAP logo, a search icon, and a user profile icon. Below this is a header with a back arrow (highlighted by a mouse cursor) and the text "My Learning". Underneath is a sub-header "My Calendar" with a purple background. The main content is a calendar for April 2016, with the date 20th highlighted. Below the calendar is a purple "Add" button. At the bottom, there is a green header "My History" and a section titled "History and Grades" with a graphic of a checklist and a large green checkmark. Below this section are two buttons: "View" and "Print".

Once on the Homepage, one can return back to the Fiori Launchpad as well by clicking the 'back' arrow again.

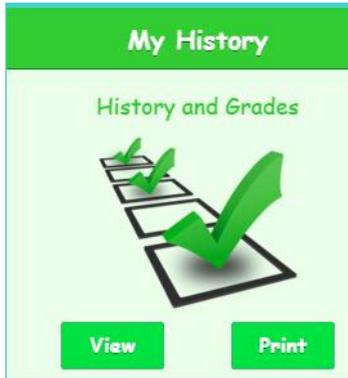
Same layout & position of this arrow, make it easy to navigate back.



The screenshot shows the SAP Fiori Launchpad interface. At the top, there is a navigation bar with the SAP logo, a search icon, and a user profile icon. Below this is a header "Generated Group". The main content is a "Generated Group" containing a "My Learning" application tile and a "My Learning Application" tile.

Design component examples coded into SAPWebIDE

a) On the Home Page, My History Panel: Text / Image / 2 buttons



```

<sap.ui.layout:Grid xmlns:sap.ui.layout="sap.ui.layout" id="__grid0" width="auto">
<sap.ui.layout:content xmlns:sap.ui.layout="sap.ui.layout">

    <Panel id="__panel0" headerText="My History" backgroundDesign="Trans" expanded="true" width="auto">

        <content>
        <FlexBox width="auto" id="__box1" direction="Column" alignItems="Center" height="auto" justifyContent="SpaceAround">
            <items>

                <Title text="History and Grades" textAlign="Center"/>
                <Image width="160px" height="140px" id="__image0" src="http://www.clipartbest.com/cliparts/aTq/o5a" />

                <HBox width="100%" id="__hbox0" alignItems="Center" justifyContent="SpaceAround" fitContainer="true">
                    <Button id="historyViewButton" press="onLinkPressed" text="View" width="60pt" height="30pt" type="Text" />
                    <Button id="historyPrintButton" press="onLinkPressed" text="Print" width="60pt" height="30pt" type="Text" />
                </HBox>
            </items>
        </FlexBox>
        </content>
    </Panel>
</sap.ui.layout:content>
</sap.ui.layout:Grid>
    
```

b) On the My History Page (clicking 'View' button in Panel): Table (worklist) with 3 columns / Image



```

<Table id="table" width="auto" class="sapUiResponsiveMargin" items="{...}" path: '/BusinessPart

    <headerToolbar>
        <Toolbar>
            <Title id="tableHeader" text="{worklistView}/worklistTableTitle"/>
            <ToolbarSpacer/>
            <SearchField id="searchField" tooltip="{i18n}worklistSearchTooltip" search="onSearch" />
        </Toolbar>
    </headerToolbar>

    <columns>
        <Column id="checkboxColumn" width="50pt">
            <Text text="Status"/>
        </Column>
        <Column id="nameColumn">
            <Text text="{i18n}tableNameColumnTitle"/>
        </Column>
        <Column id="completionColumn">
            <Text text="Completion"/>
        </Column>
    </columns>

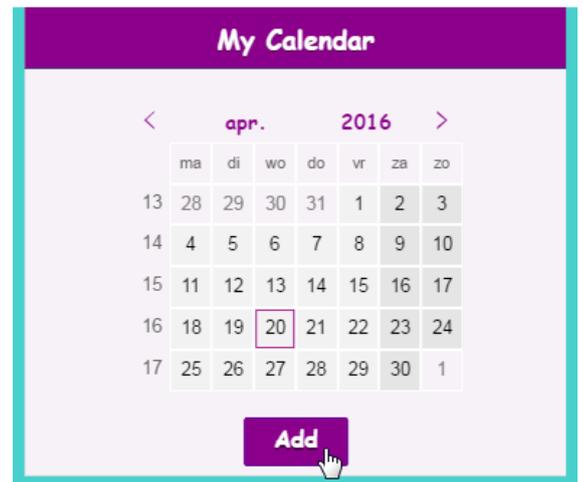
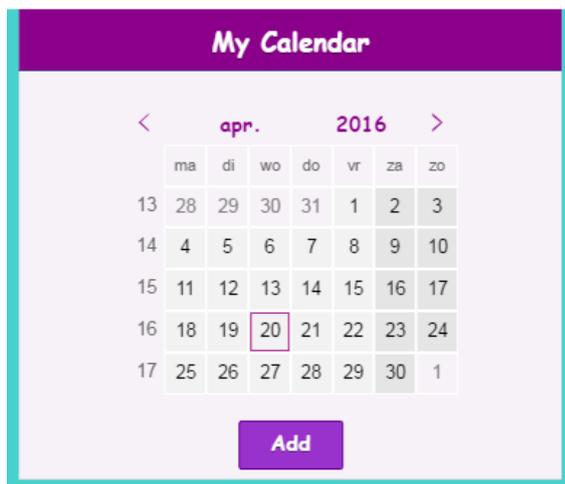
    <FlexBox width="auto" height="auto" alignItems="Center" direction="Column">
        <items>
            <HBox width="100%" id="__hbox0" alignItems="Center" justifyContent="SpaceAround">
                <Image src="http://www.vonw.be/images/Documents/VBO/2016-VBO_R1-Res" />
            </HBox>
        </items>
    </FlexBox>
    
```

c) Overview of additional features:

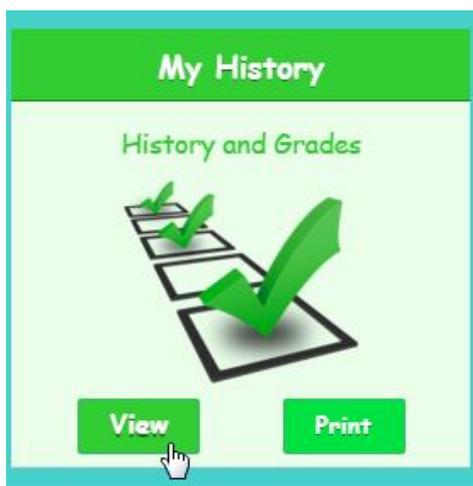
to make navigation easy, enhance visibility & give a comfortable, easy-to-use feeling to the app-user
(Please notice the position of the mouse-over to see effects)



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