

Design requirements

In A Way

Introduction

In A Way is a Facebook application allowing user to listen Internet radio, compose her own playlists using radio station schedules and share them with other users in catalog.

Current state

Application is implemented in GWT. It is a functional implementation created without design idea. The application has four screens each having its own function:

- A. User's playlists and user's favourite playlists
- B. Playback playlist
- C. Edit playlist
- D. Catalog of playlists

The screens are composed mostly without any layout in mind and with a naive styling devoted only to give you an idea where style can be applied. Size and placement of controls are almost arbitrary.

You will be granted access to the application where you will be able to play with current interface.

Desired State

The application design should provide a consistent user experience in Facebook interface. Controls on every screen should be rearranged to be more convenient for user. Sizes of controls should be commensurable. Consistent styles should be applied to controls. Icons should replace textual labels and be intuitively understandable.

The necessity for internationalization should be minimized by using easily understandable icons and images instead of textual labels.

Deliverables

Snapshot

You should provide snapshot for each screen with your design to evaluate feel-and-look.

Layout

You should provide size and coordinates for each component and control. It should be organized in a table.

Styles

Styles should be provided to each component and control. The styles should be composed into CSS file.

Icons

We have two options regarding icons:

1. Self-crafted icons. In this case, you should provide both SVG and PNG images for each icon.
2. Icons from freely available collection with possible adjustments. You should provide PNG image for each icon and a link to the collection to check license.

Icon title	Component list
Personal screen	a
Play screen	b
Edit screen	c
Catalog screen	d
My	a1
My favourite	a10
Pager (4 icons)	a2, a11, d1
Play table title	a3, a12, d2
Edit table title	a4, a13, d3
Remove table title	a5, a14
Title table title	a6, a15, d5
Favourite table title	d4

Play (leads to play screen and loads playlist)	a7, a16, d6
Edit (leads to edit screen and loads playlist)	a8, a17, d8
Remove (removes playlist from table)	a9, a18
Favourite (adds playlist to favourite, enabled state)	b11, d7
Edit or favourite failure (due to some reasons)	a17, d7
Play (starts playlist playback, enabled and disabled states)	b4
Stop (stops playlist playback, enabled and disabled states)	b5
Origin (redraws timeline to default state, enabled and disabled states)	b6
Volume control (two icons)	b7
Load (loads playlist, enabled and disabled states)	b10
Favourite (adds playlist to favourite, disabled state)	b11
New (new playlist, enabled and disabled states)	c3
Open (opens playlist, enabled and disabled states)	c4
Rename (renames playlist, enabled and disabled states)	c5
Save as (saves a copy of playlist, enabled and disabled states)	c6
Down (moves a cast to lower priority, enabled and disabled states)	c10
Up (moves a cast to higher priority, enabled and disabled states)	c11
Remove (removes a cast from playlist, enabled and disabled states)	c12
Clean (cleans playlist from casts, enabled and disabled states)	c13
Save (saves playlist, enabled and disabled states)	c14
Add (adds source playlist, enabled and disabled states)	c19
Delete (deletes source playlist, enabled and disabled states)	c20

Interface

All the styles, colours, images and icons provided in the document are for information purpose only. They do not define the desired feel-and-look.

Common

All the buttons and screens are placed at a root panel. Style - rootPanel.

Buttons a, b, c, d are presented on each screen. They serve as menu items or tab controls. The text should be replaced by icons.

My screen

My screen gives access to user's playlists and user's favourite playlists. Style - personalScreen.

a27 - Personal panel

My screen (aka personal screen) is covered by a panel which we call a personal panel #a27. The screen is organized into two columns: one of them contains playlists created by user and another one contains playlists which user selected as favourite. Style - personalPanel.

Author column

a23 - External author panel

External author panel #a23 contains label "My" and table with playlists created by user. Style - externalAuthorPanel.

a1 - My label

"My" label #a1. Label should be replaced by an icon. Style - authorLabel.

a22 - Author panel

Author panel #a22 contains pager and table with playlist created by user. Style - authorPanel.

a2 - Pager

"Pager" #a2 allows user to see all the playlists by clicking on the arrows back and forth. It is a [SimplePager](#) widget of GWT framework. Style - authorPager.

a21 - Author table

Author table #a21 contains playlist created by user. It is a [CellTable](#) widget of GWT framework. Style - authorCellTable.

a3 - Play label

"Play" label #a3 is a header for the column with Play button #a7. Style - playAuthorCell.

a4 - Edit label

"Edit" label #a4 is a header for the column with Edit button #a8. Style - editAuthorCell.

a5 - Remove label

“Remove” label #a5 is a header for the column with Remove button #a9. Style - removeAuthorCell.

a6 - Title label

“Title” label #a6 is a header for the column with the name(s) of playlist(s) made by User which displays the name(s) in the field #a20. Style - titleAuthorCell.

a7 - button Play

A click on button #a7 moves user to the Play screen and loads the chosen playlist. The playback of the playlist is not started. It should differ from button #b4.

a8 - button Edit

A click on button #a8 moves to the Edit screen and loads the chosen playlist in timeline for editing.

a9 - button Remove

A click on button #a9 removes the chosen playlist from My screen #a1.

a20 - Title of playlist

The cell contains a title of playlist.

Favourite column

a26 - External favourite panel

External favourite panel #a26 contains “My favourites” label and table with favourite playlists. Style - externalFavouritePanel.

a10 - My favourites label

“My favourites” label #a10. Label should be replaced by an icon. Style - favouriteLabel.

a25 - Favourite panel

Favourite panel #a25 contains pager and table for favourite playlists. Style - favouritePanel.

a11 - Pager

“Pager” #a11 allows user to see all the playlists by clicking on the arrows back and though. Could be the same as #a2. It is a [SimplePager](#) of GWT framework. Style - favouritePager.

a24 - Favourite Table

Favourite table contains playlist which user has marked as favourite. It is a [CellTable](#) widget of GWT framework. Style - favouriteCellTable.

a12 - Play label

“Play” label #a12 is a header for the column with Play button #a16. Could be the same as #a3. Style - playFavouriteCell.

a13 - Edit label

“Edit” label #a13 is a header for the column with Edit button #a17. Style - editFavouriteCell.

a14 - Remove label

“Remove” label #a14 is a header for the column with Remove button #a18. Style - removeFavouriteCell.

a15 - Title label

“Title” label #a15 is a header for the column with the name(s) of playlist(s) made by User which

My screen

Search for people, places and things

My Play Edit Catalog

a a b c d

My a1

My favourites a10

1-2 of 2 a2

1-8 of 8 a11

Play a3 Edit a4 Remove a5 Title a6

Play a12 Edit a13 Remove a14 Title a15

Play a7 Edit a8 Remove a9 AD1 a20

Play a16 Edit a17 Remove a18 AD1 a19

Play Edit Remove DN1

Play Remove Business FM SPB

Play Edit Remove DN1

Play Remove Radio Music Alex-M

Play Remove СИТИ-FM

Play Remove Свобода

Play Remove Серебряный дождь

Play Remove Эхо Москвы

a21

a22

a23

a24

a25

a26

a27

displays in the field #a19. Could be the same as #a6. Style - titleFavouriteCell.

a16 - button Play

A click on button #a16 moves user to the Play screen and loads the chosen playlist. The playback of the playlist is not started. It should differ from button #b4, but could be the same as #a7.

a17 - button Edit

A click on button #a17 moves to the Edit screen and loads the chosen playlist in timeline for editing.

a18 - button Remove

A click on button #a18 removes the chosen favourite playlist from My favourites #a10.

a19 - Favourite playlist title

Favourite playlist title #a19 contains the name(s) of favourite playlist(s).

Play screen

Play screen #b17 allows user to playback playlists. Style - playScreen.

b16 - Playback panel

Playback panel covers play screen. Style - playbackPanel.

b1 - Label for the playlist name

Label #b1 is used to indicate the name of the playlist. Style - playlistTitleLabel.

b2 - Label for the name of the radio station

Label #b2 is used to indicate the name of the radio station. Style - stationTitleLabel.

b3 - Label for the playlist's program name

Label #b3 is used to indicate the name of the playlist's program. Style - castTitleLabel.

b4 - button Play

A click on button #b4 the loaded into timeline playlist is played. Namely, the cast with highest priority intersecting with current time moment is played. The functionality of the button matches the functionality of play button of an ordinary player, [example](#). Style - playButton.

b5 - button Stop

A click on button #b5 playback of the loaded playlist is stopped. The functionality of the button matched the functionality of stop button of an ordinary player, [example](#). Style - stopButton.

b6 - button OR

A click on button #b6 timeline containing the loaded playlist is redrawn with default time frame and zoom level. The button serves to user who lost himself/herself zooming and moving timeline to quickly get back to familiar view. Style - recreateButton.

b7 - Volume control

“Volume control” #b7 is used to adjust the appropriate volume. It is a [SliderBar](#) widget. The label informing user about current volume has style - volumeLabel.

b15 - Suggest box

Suggest box #b15 allows user to find playlist to playback. It is a [SuggestBox](#) widget of GWT framework. Style - playlistSuggestBox.

Play screen

The screenshot shows a music player interface with the following labeled components:

- b1**: "Business FM SPB" text label
- b2**: "Business FM SPB" text label
- b3**: "businessfm_spb P5DT3M29S" text label
- b4**: "Play" button
- b5**: "Stop" button
- b6**: "OR" button
- b7**: Volume slider and "100" label
- b8**: "Business FM SPB" text label in a search box
- b9**: "Business FM SPB" text label in a dropdown menu
- b10**: "Load" button
- b11**: "Fav" button
- b12**: "0" button in the playlist grid
- b13**: "businessfm_spb" text label in the playlist grid
- b14**: "businessfm_spb" text label in the playlist grid
- b16**: Large empty rectangular area below the playlist
- b17**: Large empty rectangular area at the bottom of the screen

b8 - Textbox

User types a text into textbox #b8 to find playlist he/she wants to listen.

b9 - Autosuggestion

Autosuggestion #b9 provides user a list of playlist with title matching user input. It is a part of [SuggestBox](#) widget of GWT framework.

b10 - button Load

A click on button #b10 loads chosen playlist to timeline. Style - loadButton.

b11 - button Fav

A click on button #b11 adds chosen playlist into user's favourite playlist list. User can find the list of favourite playlists on My screen. The icon used for button #b11 should resonate with icon representing user favourite playlist list, icon #a10. Style - favouriteButton.

b14 - Timeline

Playlist loaded by user is visualized in timeline #b14. [Timeline](#) is a thirdparty component. Style - div.timeline-frame, div.timeline-axis, div.timeline-axis-grid, div.timeline-groups-axis, div.timeline-axis-text, div.timeline-event-range, div.timeline-event.

b12 - Priority label

Label #b12 defines the priority of cast row presented at timeline. Style - div.timeline-groups-text.

b13 -Cast

Cast is visualized at timeline as event #b13 having duration. Style - div.timeline-event-content.

Edit screen

Edit screen #c26 allows user to compose playlist using existing ones including radio station plain playlists. Style - editScreen.

Common part

c25 - Control Panel

Control Panel #c25 covers edit screen and contains all other controls on the screen. Style - controlPanel.

c22 - Suggest Box

Suggest Box #c22 allows user to define playlist title. It is a [SuggestBox](#) widget of GWT framework. Style - editSuggestBox.

c1 - Textbox

User types a text into textbox #c1 to find playlist he/she wants to edit. It is a part of [SuggestBox](#) widget of GWT framework.

c2 - Autosuggestion

Autosuggestion #c2 provides user a list of playlist with title matching user input. It is a part of

[SuggestBox](#) widget of GWT framework.

c3 - button New

A click on button #c3 adds new playlist and place it into timeline. The playlist title is entered by user into suggest box. The behaviour of the button is similar to creation of a new folder, [example](#). Style - newPlaylistButton.

c4 - button Open

A click on button #c4 opens previously saved playlist for editing. User should be the author of the playlist to be able to open it for editing. Open folder can be considered as a metaphor for the action, [example](#). Style - openPlaylistButton.

c5 - button Rename

A click on button #c5 renames playlist title. Style - renamePlaylistButton.

c6 - button Save as

A click on button #c6 saves playlist with new title provided by user in suggest box. It is usual "save as" function, [example](#). Style - saveAsPlaylistButton.

Edit playlist part

Edit playlist part allows user to compose his/her playlist. Style - playlistBinder.

c23 - External playlist panel

External playlist panel #c23 contains all the controls for editing a chosen or newly created playlist. Style - externalPlaylistPanel.

c7 - Label for the playlist name

Label #c7 is used to indicate the name of the playlist. Style - playlistTitleLabelPlaylist.

c8 - Label for the name of the radio station

Label #c8 is used to indicate the name of the radio station. Style - stationTitleLabelPlaylist.

c9 - Label for the playlist's program name

Label #c9 is used to indicate the name of the playlist's program. Style - castTitleLabelPlaylist.

c10 - button BH

A click on button #c10 moves a chosen cast on a timeline to higher priority. Icon [example](#). Style - downCastButton.

c11 - button BB

A click on button #c11 moves a chosen cast on a timeline to lower priority. Icon [example](#). Style - upCastButton.

c12 - button DE

A click on button #c12 deletes a chosen cast from the playlist. Icon [example](#). Style - deleteCastButton.

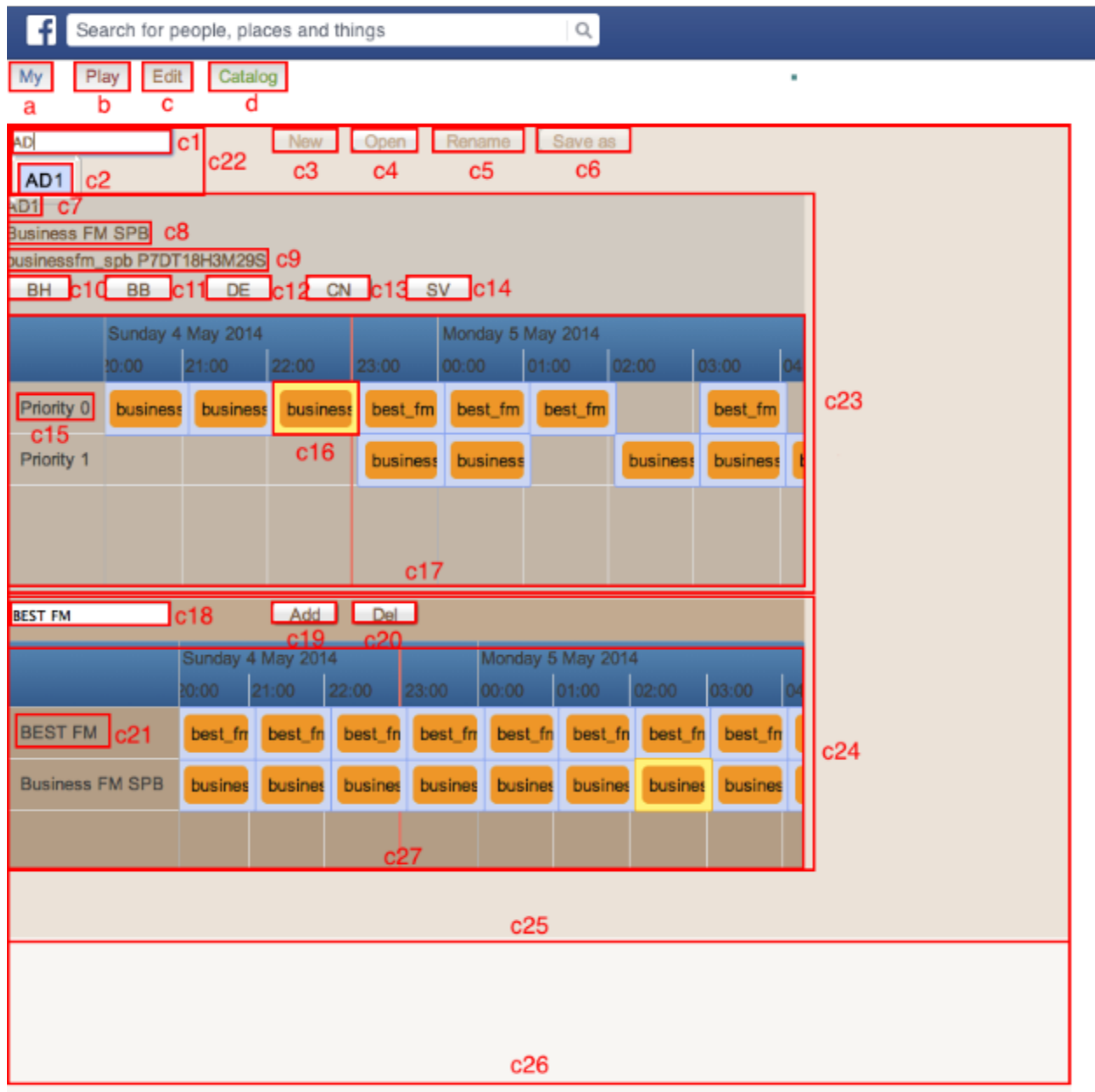
c13- button CN

A click on button #c13 cleans playlist from casts which are covered by casts of higher priorities and, hence, will never be played back. Icon [example](#). Style - cleanPlaylistButton.

c14 - button SV

A click on button #c14 saves changes made in playlist. Icon [example](#). Style - savePlaylistButton.

Edit screen



c17 - Internal playlist panel and Timeline

Internal playlist panel #c17 contains timeline visualizing playlist which user is editing. Panel style

- internalPlaylistPanel. Timeline styles - div.timeline-frame, div.timeline-axis, div.timeline-axis-grid, div.timeline-groups-axis, div.timeline-axis-text, div.timeline-event-range, div.timeline-event.

c15 - Priority

The field Priority #c15 shows the priority of chosen programs in the 1st timeline. Style - div.timeline-groups-text.

c16 - Cast name

The field #c16 is used to indicate the name of the playlist's program in the timeline. Style - div.timeline-event-content.

Source playlist part

Source playlist part contains playlist which serve as source for playlist under editing by user. Style - playlistSourceBinder.

c24 - Playlist source panel

Playlist source panel contains all controls of source playlist part. Style - playlistSourcePanel.

c18 - Suggest Box

User types a text into textbox #c18 to find playlist he/she wants to add to the second timeline. It is a [SuggestBox](#) widget of GWT framework. Style - playlistSourceSuggestBox.

c19 - button Add

A click on button #c19 adds a playlist to the second timeline. The playlist is used a source for casts which can be added to playlist which is edited at the moment. Style - playlistSourceAddButton.

c20 - button Del

A click on button #c19 deletes a playlist from the second timeline. Style - playlistSourceRemoveButton.

c27 - Source timeline

Source timeline contains playlist which are used as sources. Styles - div.timeline-frame, div.timeline-axis, div.timeline-axis-grid, div.timeline-groups-axis, div.timeline-axis-text, div.timeline-event-range, div.timeline-event.

c21 - Playlist name

Playlist name #c21 is a playlist loaded in this row. Style - div.timeline-groups-text.

Catalog screen

Catalog screen #d12 contains all the playlist created in the application. Style - catalogScreen.

d11 - Catalog Panel

Catalog panel #d11 covers catalog screen. Style - catalogPanel.

d1 - Pager

Pager #d1 allows user to see all the playlists by clicking on the arrows back and though. Could be the same as #a2. It is a [SimplePager](#) of GWT framework. Style - catalogPager.

d10 - Catalog table

Catalog table #d10 contains playlist. It is a [CellTable](#) widget of GWT framework. Style - catalogCellTable.

Catalog screen

The screenshot shows a web application interface for a catalog. At the top, there is a search bar with the text "Search for people, places and things" and a magnifying glass icon. Below the search bar is a navigation menu with four buttons: "My", "Play", "Edit", and "Catalog". The "Catalog" button is highlighted. Below the navigation menu is a table of playlists. The table has four columns: "Play", "Edit", "Fav", and "Title". The first row is highlighted and contains the following data: "Play", "Fav", "101.ClubDance", and "101.Дискотека 80-х". The second row contains: "Play", "Fav", and "101.Дискотека 80-х". The third row contains: "Play", "Edit", and "AD1". The fourth row contains: "Play", "Fav", and "BEST FM". The fifth row contains: "Play" and "Business FM SPB". The sixth row contains: "Play", "Edit", and "DN1". The seventh row contains: "Play", "Fav", and "DN2". The eighth row contains: "Play", "Fav", and "DN3". The ninth row contains: "Play", "Fav", and "Laary". The tenth row contains: "Play", "Fav", and "Маkradio Детский Хит". The eleventh row contains: "Play", "Fav", and "Маkradio Радиокафе". The twelfth row contains: "Play", "Fav", and "Маkradio Ретро Хит". The thirteenth row contains: "Play", "Fav", and "Маkradio Русский Хит". The fourteenth row contains: "Play", "Fav", and "Маkradio Топ Хит". Below the table is a large empty area. The interface is labeled with various IDs: "d1" for the pager, "d2" for the "Play" button, "d3" for the "Edit" button, "d4" for the "Fav" button, "d5" for the "Title" column, "d6" for the "Play" button in the first row, "d7" for the "Fav" button in the first row, "d8" for the "Edit" button in the third row, "d9" for the "101.ClubDance" text, "d10" for the table, "d11" for the empty area below the table, and "d12" for the empty area at the bottom of the screen.

Play	Edit	Fav	Title
Play		Fav	101.ClubDance
Play		Fav	101.Дискотека 80-х
Play	Edit		AD1
Play		Fav	BEST FM
Play			Business FM SPB
Play	Edit		DN1
Play		Fav	DN2
Play		Fav	DN3
Play		Fav	Laary
Play		Fav	Маkradio Детский Хит
Play		Fav	Маkradio Радиокафе
Play		Fav	Маkradio Ретро Хит
Play		Fav	Маkradio Русский Хит
Play		Fav	Маkradio Топ Хит

d2 - Play label

“Play” label #d2 is a header for the column with Play button #d6. Style - playCatalogCell.

d3 - Edit label

“Edit” label #d3 is a header for the column with Edit button #d8. Style - editCatalogCell.

d4 - Fav label

“Fav” label #d4 is a header for the column with Fav button #d7. Style - favouriteCatalogCell.

d5 - Title label

“Title” label #d5 is a header for the column with the name(s) of playlist(s) made by User. Could be the same as #a6. Style - titleCatalogCell.

d6 - the button Play

A click on button #d6 moves user to the Play screen and loads the chosen playlist. The playback of the playlist is not started. It should differ from button #b4 and should be the same as #a7 and #a16.

d7 - button Fav

A click on button #d7 adds chosen playlist into user’s favourite playlist list. User can find the list of favourite playlists on My screen. The icon used for button #d7 should resonate with icon representing user favourite playlist list, icon #a10.

d8 - button Edit

A click on button #d8 moves to the Edit screen and loads the chosen playlist in timeline for editing.