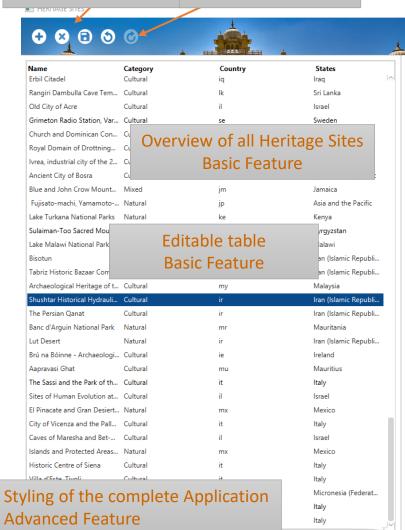


undo/redo Advanced feature

search advanced feature

1315



Shushtar Historical Hydraulic System - 2009 Header with Name, Year inscribed Simple styling via css Name **Basic Feature** Year Inscribed Cultural Category Location Asia and the Pacific Region States Editor Area with direct updates in Table and ed as a masterpiece of creative genius, can be traced back to lived the creation of two main diversion canals on the river Kârun Short Description Header ding water to the city of Shushtar via a series of tunnels that iff from which water cascades into a downstream basin. It then re it has enabled the planting of orchards and farming over an **Basic Feature**). The property has an ensemble of remarkable sites including the ire hydraulic system, the tower where the water level is measured, damns, bridges, basins and mills. It bears witness to the know-how of the Elamites and Mesopotamians as well as more recent Nabatean expertise and Roman building influence. ISO Code https://data.opendatasoft.com/api/v2/catalog/datasets/world-heritage-list@public-us/files/f157e5c07b1b2ef85ad-Image URL Visited

Basic-Features



Read input from file

Save Changes

List all Heritage Sites sets in a table/list

Editor

Editor-View always works on the selected Heritage Site

Changes are automatically propagated to the table, headers and footers

On each keypress

Most important

Feature

Footer

Number of Sites visited, Number of Countries Visited (as a Number, and as String list)

Automatic calculation of all values

Simple styling via CSS

Layout with SplitPane

Appropriate resizing handling

Creation of a new Heritage Site

Removal of a Heritage Site

Application structure: Split in 2 layers for Model and View

Implementation of **all** basic features: at least 4.0 Implementation of **not all** basic features: at most 4.0

The "Small Feature Package"



Changes in Table lead to changes in the Editor Simple styling of the *whole* application using CSS

Enabling/Disabling

Of the Buttons

Of the Editor if no HeritageSite is selected

Freetext search

Using «fuzzy» search (Keyword: Levenshtein-Distance)

Filtering of the table with hits, e.g. `300/1200`



Consequent use of the PresentationModel-Concept Clear separation of "What" and "How" Independent UI-Elements "Toolbar, Header, Editor, ..."

No new functionality, "just" better implemented

Simplifies the implementation of further features Simply: A requirement for most advanced features

Undo/Redo

Animations

At startup (data loading)
When switching the HeritageSite

Overhaul of the UI

New Functionality

Input-Validation

Multiple-Languages (of the UI)

Grading



Basic Features	4.0
Not all basic features	at max 4.0
Good program structure	+1.0
Integration of a Custom Control	+0.25
	max +0.5
The "Small Feature Package"	+0.5
Each big Feature	+0.5
Talk with me	
Presentation of the solution (ca. 15min)	+0.5
Non compiling Code	1.0
No independent work / plagiarism	hefty grade decrease

Example



Basic Features with "solid" implementation

Clear application structure

Consequent use of PresentationModel-Concept

Separation of the UI in different parts

Extensibility for other features is simple

Good use of data structures

1 big Feature, e.g. Undo/Redo

Good Presentation

$$4.0 + 1.0 + 0.5 + 0.5 = 6.0$$

