ΠΑΝΕΠΙΣΤΗΜΙΟ ΙΩΑΝΝΙΝΩΝ

ΤΜΗΜΑ ΜΗΧ. Η/Υ & ΠΛΗΡΟΦΟΡΙΚΗΣ

ΑΝΑΠΤΥΞΗ ΛΟΓΙΣΜΙΚΟΥ

ΠΡΟΓΡΑΜΜΑΤΙΣΤΙΚΗ ΕΡΓΑΣΙΑ για το ακαδημαϊκο έτος 2018-2019

ΟΜΑΔΑ 3369-3188-4136

Ψαλιδας Ζησης, 3369

Πανταζης δημοσθενης, 4136

Βασιλειου Χρηστος, 3188

ΙΣΤΟΡΙΚΟ ΕΚΔΟΣΕΩΝ ΤΗΣ ΠΑΡΟΥΣΑΣ ΑΝΑΦΟΡΑΣ

|  |  |  |  |
| --- | --- | --- | --- |
| Ημερομηνία | Έκδοση | Περιγραφή | Συγγραφείς |
| 2018/11/02 | v.01 | Οργάνωση απαιτήσεων σε use cases | 3369, 3188, 4136 |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

# Ανάλυση Απαιτήσεων – Use Cases

Στην παρούσα ενότητα, παρατίθενται οι περιγραφές των use cases με βάση τις καταγεγραμμένες απαιτήσεις.

ExitProgram

ID: UC 1

Description and Goal

Τhe user terminates the program

Actors (esp. primary actor)

User

Preconditions

The program must be open

Basic Flow

1. The user closes the program
2. The program closes

Extensions / Variations

Post conditions

SelectFile

ID: UC 2

Description and Goal

Τhe system prompts the user to select an input file

Actors (esp. primary actor)

User

Preconditions

Basic Flow

1. The system asks the user to choose a file
2. The user enters the file path
3. The system loads the file
4. The system opens a new window

Extensions / Variations

1. If the path is wrong: the user chooses a new path
2. If the file is empty: the system shows nothing

Post conditions

The file is shown in tabular form

CreateDataSet

ID: UC 3

Description and Goal

Τhe user loads a file and the system creates a data set with a given name

Actors (esp. primary actor)

User

Preconditions

Basic Flow

1. The system asks the user to choose a file
2. The user enters the file path
3. The system loads the file
4. The system asks the user for the data set’s name
5. The system creates a data set with the given name

Extensions / Variations

Post conditions

A data set is created

ShowDataSet

ID: UC 4

Description and Goal

The system shows the user a data set

Actors (esp. primary actor)

User

Preconditions

Data set/s must have been created

Basic Flow

1. The system asks the user for a data set
2. The user enters a name
3. The system shows the data set

Extensions / Variations

1. If the name is invalid: the system shows an error message in a new window to the user

Post conditions

The data set is shown to the user in tabular form

FilterDataSet

ID: UC 5

Description and Goal

The user creates a new data set filtering an existing one

Actors (esp. primary actor)

User

Preconditions

Data set/s must have been created

Basic Flow

1. The system asks the user for a data set
2. The user enters a name
3. The user enters a filter
4. The user enters the new data set’s name
5. The system creates a new data set with new name

Extensions / Variations

1. If the original name doesn’t exists: the system re-prompts the user
2. If the filter doesn’t exist: the system re-prompts the user for filter only

Post conditions

A new filtered data set is created from the original

ShowGraph

ID: UC 6

Description and Goal

The system uses a data set to create a graph

Actors (esp. primary actor)

User

Preconditions

Data set/s must have been created

Basic Flow

1. The system asks the user for a data set
2. The user enters a name
3. The user enters the x/y values
4. The system asks the user if he wants to give names to the x/y values
5. The system shows the graph to the user

Extensions / Variations

Post conditions

The user sees the graph he chose