

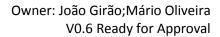


PS2Win

# Software Requirement Specification

Keep Your Time

João Girão; Mário Oliveira 25-04-2013

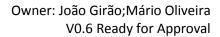


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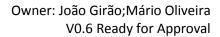
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Table 1: List of Contributors

Revision Histor	у				
Date	Description	Author	Version	Approvers	State
25-04-2013	Creation Document: initial draft	João Girão & Mário Oliveira	0.1		Draft
25-04-2013	Adding the use cases and requirements exported from Enterprise Architect	Carla Machado	0.2		Draft
26-04-2013	Revision of text and English	Carla Machado	0.3		Draft
26-04-2013	Formatting Document and change state	João Girão	0.4		Ready for Revision
26-04-2013	Some changes due to input from Rui Ganhoto	Carla Machado	0.5		Ready for Revision
03/05/2013	Some changes based on previous inspection	João Girão & Mário Oliveira	0.6		Ready for Approval

**Table 2: Version history** 



## 1. Introduction

1

2 3 4	1.1. Purpose  The purpose of this document is the presentation of the use cases and requirements of the application Keep Your Time.
5 6 7	All the functionalities will be identified with recourse to the definition of use cases and requirements that intend to reflect the way the application should be used and how the system should perform.
8 9	1.2. Vision of the Solution The application to be developed will be composed in the first release of one component:
10	Desktop: for task time management;
11 12 13 14	The application will allow the users to manage their time in a structured way allowing task identification both of the ongoing one or in case of idle time detection decide whether to add the time to the current task or ignore the time. Furthermore the application will provide a history of performed tasks.
15 16	The application will be developed using .NET platform and C#. The desktop component will have the functional interface where the user can add tasks easily and view the tasks historical.
17	1.3. Major Features
18	FE-1: Adding, editing and deleting tasks;
19	FE-2: Inactivity alerts during task;
20	FE-3: Registering and timing individual tasks;
21	FE-4: Exporting the application data;
22	1.4. Assumptions and Dependencies
23	AS-1: The computer will have a Windows OS with at least the Vista version;
24 25	AS-2: The computer will have framework .Net 4.5;
26	This application doesn't have any dependencies with external software;

1.5. References

• Mockups: "KeepYourTIme\_Mockups.pdf";

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#### 2. Use Cases Model

In this section the identification and description of the actors related to the application and the different use cases will be presented. These actors and use cases can be seen in the use case diagram show in Figure 1.

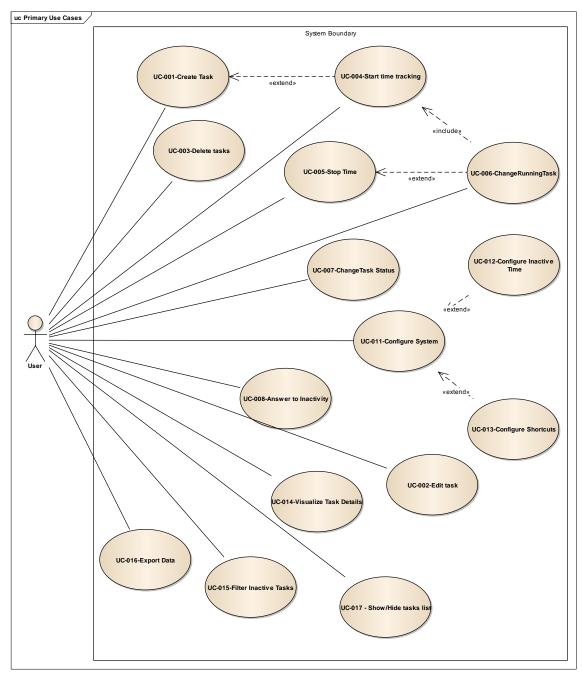
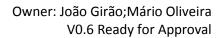


Figure 1: Use Case Diagram

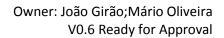
The use cases UC-009 and UC-010 don't exists in the diagram because they are in the deprecated state.

33 34





38	Z.1. Actors
39	<u>User</u> : The user with full access to the application and its features.
40	2.2. Use Cases
41	2.2.1.UC-001-Create Task
42	The user creates a new task. The user inserts the name for the task and selects the option
43	of creating and starting the task. The task is created in the database, added to the tasks list
44	and the timer starts.
45	[MKU001: Main Window; MKU001.1: Main Window (status)]
46	Basic Path
47	Creates and starts the task:
48	<sup>1</sup> The user inserts the task name and selects the option to create the task. <sup>2</sup> The user
49	inserts the task name and starts the task. $^{\rm 3}$ The system inserts the task in the database and
50	adds the task to the tasks list [Invokes: UC-004-Start time tracking].
51	Exceptions
52	(at <sup>3</sup> )
53	An error occurs when inserting the data in the database. The application returns an error
54	message.

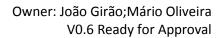




55 56 57	<b>2.2.2.UC-002-Edit task</b> The user selects a task to edit. The edition form is presented to the user that makes the alterations and saves the changes.
58	[MKU003: Edit Task]
59	Basic Path
60	Editing Task:
61 62 63	<sup>1</sup> The user click in the edit button to edit a task. <sup>2</sup> The system presents the edition form to the user. <sup>3</sup> The user makes the changes and saves them. <sup>4</sup> The system updates the information in the database and the tasks list.
64	Alternate Paths
65	Editing tasks:
66 67 68 69	<sup>1</sup> The user click in the details button to view the task's information. <sup>2</sup> The system presents the details form. <sup>3</sup> The user click in the edit button to edit the task. <sup>4</sup> The system presents the edition form to the user. <sup>5</sup> The user makes the changes and saves them. <sup>6</sup> The system updates the information in the database and the tasks list.
70	Cancel Edition:
71 72	(at <sup>3</sup> ) <sup>4</sup> The user cancels the edition. <sup>5</sup> The system closes the edition form.
73	Exceptions
74 75 76	(at <sup>4</sup> ) An error occurs when inserting the data in the database. The application returns an error message.
77	<u>Pre-condition</u>
78	Existence of tasks
79	

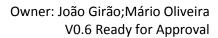


80 81 82	<b>2.2.3. UC-003-Delete task</b> The user selects one task and selects the remove button. The task is removed from the tasks list and all the information related to the task is removed from the database.
83	[MKU001: Main Window]
84	Basic Path
85	Delete task:
86 87 88	<sup>1</sup> The user click in the delete button to delete a task. <sup>2</sup> The system presents a message to confirm the operation. <sup>3</sup> The user accepts the operation. <sup>4</sup> The system deletes the task from the database and updates the tasks list.
89	Alternate Path
90	Cancel deleting:
91	(at <sup>3</sup> )
92	<sup>1</sup> The user doesn't accept the operation. <sup>2</sup> The system cancels the operation.
93	Exceptions
94 95	(at $^{2}$ ) An error occurs when accessing the database. An error message is presented to the user.
96	<u>Pre-condition</u>
97	Existence of tasks
98	Open the tasks list
99 100 101	2.2.4. UC-004-Start time tracking  The user chooses a task and starts the time tracking. The system starts counting the time and presents a timer to the user.
102	[MKU001: Main Window; MKU001.1: Main Window (status)]
103	Basic Path
104	Starting Time:
105	<sup>1</sup> The user selects an active task and starts the time. <sup>2</sup> The system starts the timer.
106	<u>Pre-condition</u>
107	Existence of tasks



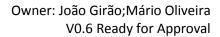


108	2.2.5. UC-005-Stop Time
109	The user stops the time. The system stops the time and updates the information of the
110	task.
111	[MKU001: Main Window; MKU001.1: Main Window (status)]
112	Basic Path
113	Stopping Time:
114	<sup>1</sup> The user stops the time. <sup>2</sup> The system stops the timer and updates the task information.
115	Exceptions
116	(at <sup>2</sup> )
117	<sup>3</sup> An error occurs while accessing the database. <sup>4</sup> An error message must be presented to
118	the user.
119	<u>Pre-condition</u>
120	There must be a task running.



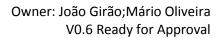


121 122	The user uses a shortcut to change the running task.
123	Basic Path
124	Existing running task:
125	<sup>1</sup> The system is tracking the time of a running task. <sup>2</sup> The user uses a pre-defined shortcut
126	to start timing a task. <sup>3</sup> The system stops the time of the current running task and updates
127 128	the task information. The system selects the task assigned to the shortcut the user pressed and starts the timer.
129	Alternate Paths
130	No running task:
131	(at ¹)
132	The user presses a pre-defined shortcut to start a task. <sup>3</sup> The system selects the task and
133	starts the timer.
134	Exceptions
135	(at <sup>3</sup> )
136	An error occurs while accessing the database. An error message must be presented to the
137	user.
138	<u>Pre-condition</u>
139	There must be more than one active task
140	There must be a match between the active tasks and the used shortcut
141	2.2.7.UC-007-ChangeTask Status
142	The user selects a task from the list and selects the option to change the task status
143	between Active and Inactive
144	[MKU001: Main Window]
145	Basic Path
146	Activate Task:
147	<sup>1</sup> The user selects the task to change the status and selects Activate/Inactivate. <sup>2</sup> The
148	system changes the status of the task and updates the database information.



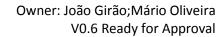


149	<u>Exceptions</u>
150	(at ²)
151	An error occurs when updating the information in the database. The application returns ar
152	error message to the user.
153	<u>Pre-condition</u>
154	Existence of tasks
1	2.2.9 IIC_009_Answer to Inactivity
155 156	2.2.8. UC-008-Answer to Inactivity  The system must detect inactivity times according with the system configuration and
156 157	The system must detect inactivity times according with the system configuration and prompt the user for a response.
158	[MKU004: Configurations; MKU005: Alert Inactivity]
159	Basic Path
160	Adding time:
161	<sup>1</sup> The system detects an inactivity time. The system stops the timer and prompts the user
162	for an action. <sup>2</sup> The user adds the time to the running task. <sup>3</sup> The system adds the time to
163	the running task. <sup>4</sup> The system presents the main window and updates de information in
164	the database.
165	Alternate Paths
166	Ignore time:
167	(at <sup>1</sup> )
168	<sup>2</sup> The user ignores the time. <sup>3</sup> The system ignores the time.
169	Exceptions
170	(at <sup>3</sup> )
171	An error occurs when updating the information in the database. The application returns ar
172	error message to the user.
173	<u>Pre-condition</u>
174	There must be a task running.
175	The user hasn't interaction with the system during the defined time.



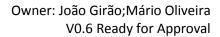


176	2.2.9. UC-011-Configure System		
177	The user changes the system configurations.		
178	[MKU004: Configurations]		
179	Basic Path		
180	Configure:		
181	<sup>1</sup> The user opens a configuration window. <sup>2</sup> The system presents the configuration window.		
182 183	<sup>3</sup> The user changes the definitions and saves. <sup>4</sup> The system saves the changes and applies the changes to the system.		
184	Alternate Paths		
185	Cancel Edition:		
186	(at ³)		
187	<sup>4</sup> The user closes the window without saving.		
188	Exceptions		
189	(at <sup>4</sup> )		
190	An error occurs while accessing the database. An error message must be presented to the		
191	user.		
192	2.2.10. UC-012-Configure Inactive Time		
193	The user accesses the configurations page and activates the configuration system and sets		
194	the inactivity time to a value between 1 and 60 minutes.		
195	[MKU004: Configurations]		
196	Basic Path		
197	Activate Inactivity:		
198	<sup>1</sup> The user accesses the configuration page and activates the inactivity alert. <sup>2</sup> The system		
199	activates the configuration of inactivity time. $^3$ The user inserts a time between 1 and 60		
200	minutes. <sup>4</sup> The system updates the information in the database and puts the new		
201	configuration in effect.		



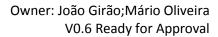


202	Alternate Paths
203	Deactivate inactivity time:
204	(at ¹)
205	<sup>2</sup> The user accesses the configuration page and deactivates the inactivity alert. <sup>3</sup> The system
206	blocks the configuration of inactivity time. 4 Updates the database information and puts
207	the new configurations in effect.
208	Exceptions
209	(at <sup>4</sup> )
210	An error occurs while accessing the database. An error message must be presented to the
211	user.
212	2.2.11. UC-013-Configure Shortcuts
213	The user accesses the configuration page and defines shortcuts for changing between five
214	chosen tasks
215	[MKU004: Configurations]
216	Basic Path
217	Configure Shortcuts:
218	<sup>1</sup> The user accesses the configurations page and defines the shortcuts by defining the
219	shortcuts and the corresponding task. <sup>2</sup> The system updates the information in the
220	database and applies the new definitions.
221	Exceptions
222	(at <sup>2</sup> )
223	If the user duplicates a task or the shortcuts, the system presents an error message.
224	(at <sup>2</sup> )
225	An error occurs while accessing the database. An error message must be presented to the
226	user.
227	<u>Pre-condition</u>
228	Existence of active tasks





229 230	2.2.12. UC-014-Visualize Task Details  The user chooses a task to view the details.		
231	[MKU002: Task Details]		
232	Basic Path		
233 234	$^{\scriptsize 1}$ The user clicks in the details button to view the task details. $^{\scriptsize 2}$ The system presents the task details.		
235	Alternate Path		
236	<sup>1</sup> The user expands the tasks list. (at <sup>1</sup> )		
237	<u>Exceptions</u>		
238 239 240 241	(at <sup>2</sup> ) An error occurs while accessing the database. An error message must be presented to the user.		
242	Pre-condition		
243	Existence of tasks		
244 245	2.2.13. UC-015-Filter Inactive Tasks  The user activates/deactivates a filter in order to see or hide the inactive tasks.		
246	[MKU001: Main Window]		
247	Basic Path		
248	Present tasks list:		
249 250	<sup>1</sup> The system presents a list of all the tasks to the user. <sup>2</sup> The user selects the option to hide the inactive tasks. <sup>3</sup> The system filters the task list and only shows the active tasks.		
251 252 253	<b>2.2.14. UC-016-Export Data</b> The user selects the option corresponding to the settings. In the section settings then selects the functionality of all exporting data.		
254	[MKU004: Configurations]		
255	Basic Path		
256 257 258	<sup>1</sup> The user selects the settings functionality. <sup>2</sup> The system redirects the user to the settings form where an option for exporting data is available. <sup>3</sup> The user selects the export option. <sup>4</sup> The user chooses the path to save the exported file. <sup>5</sup> The system exports all data.		





259	Exceptions			
260	(at <sup>4</sup> )			
261	The system doesn't have writing permissions in the destination folder or an error occurs			
262	when accessing the database. The system presents an error message to the user.			
263	<u>Pre-condition</u>			
264	Existence of tasks			
265	2.2.15. UC-017 - Show/Hide tasks list			
266	User presses a button to show or hide the tasks list.			
267	[MKU001: Main Window]			
268	Basic Path			
269	Show Tasks List:			
270	<sup>1</sup> The system presents a minimal view without the tasks list. <sup>2</sup> The user presses a button to			
271	expand the window and view the task list. <sup>3</sup> The system expands the window and presents			
272	the complete task list.			
273	Alternate Paths			
274	Hide Tasks List:			
275	(at ¹)			
276	<sup>2</sup> The system presents a view with the tasks list. <sup>3</sup> The user presses a button to hide the tasks			
277	list. <sup>4</sup> The system minimizes the window and stops showing the tasks list.			



278

# 3. Functional Requirements

279 280		1CT-001:Task.create seives a task name from a text box. This text box allows auto complete.
281	<u>Priority</u> :	High
282	<u>Difficulty</u> :	High
283 284	3.2. The system val	1CT-002:Task.create.validate idates the task name.
285	<u>Priority</u> :	High
286	<u>Difficulty</u> :	Low
287 288 289	3.3. The system say started.	1CT-003:Task.create.validate.notEqual ves the task name in the database with an ID, name and initial date. The task is
290	<u>Priority</u> :	High
291	<u>Difficulty</u> :	Low
292 293 294 295	presents a set	1CT-004:Task.create.AutoComplete alyzes the text box. When the user enters three or more characters, the system of suggested active tasks in a drop down list. The suggested task name start with inserted by the user.
293 294	The system an presents a set	alyzes the text box. When the user enters three or more characters, the system of suggested active tasks in a drop down list. The suggested task name start with
293 294 295	The system an presents a set the characters	alyzes the text box. When the user enters three or more characters, the system of suggested active tasks in a drop down list. The suggested task name start with inserted by the user.  High
293 294 295 296	The system an presents a set the characters  Priority: Difficulty:  3.5. The system all	alyzes the text box. When the user enters three or more characters, the system of suggested active tasks in a drop down list. The suggested task name start with inserted by the user.  High  Medium
293 294 295 296 297 298 299	The system an presents a set the characters  Priority: Difficulty:  3.5. The system all	alyzes the text box. When the user enters three or more characters, the system of suggested active tasks in a drop down list. The suggested task name start with inserted by the user.  High  Medium  2ET-001: EditTask  ows the edition of the fields name and description. The system allows insert,



303	3.6.	2ET-002: EditTask.save
304	The system val	idates the name and times between start date and end date
305	<u>Priority</u> :	Medium
306	<u>Difficulty</u> :	Medium
307	3.7.	2ET-003: EditTask.save.true
308		odates the task name in the database with the name, start and end date of
309	individual time	s and description of a task
310	<u>Priority</u> :	Medium
311	<u>Difficulty</u> :	Medium
312	3.8.	2ET-004:EditTask.save.false
313	In each field, th	ne system presents an error message "Invalid field!" and the reason.
314	<u>Priority</u> :	Medium
315	<u>Difficulty</u> :	Medium
316	3.9.	
317	•	eletes the selected task and updates the database. The system should ask for
318	confirmation b	efore deleting the task. The system only allows to delete tasks stopped.
319	<u>Priority</u> :	Medium
320	<u>Difficulty</u> :	Low
321	3 10	4STT-001: StartTime
322		ops the current task if there is one and starts counting the time for the selected
323	task.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
324	<u>Priority</u> :	High
325	<u>Difficulty</u> :	Medium
326	3.11.	5ST-001: StopTime
327		ps the time and updates the information of the task and saves it in database.
328	<u>Priority</u> :	High
329	<u>Difficulty</u> :	Medium



Difficulty: High  3.13. 6CT-002: ChangeRunningTask.Com The system plays a beep if the pressed shortcut isn't associated to priority: High  Difficulty: High  3.14. 6CT-003: ChangeRunningTask.Suc When a task is started the system presents a brief popup to the user intervention.  Priority: High  Difficulty: High  Difficulty: High  Difficulty: High  Difficulty: High	
3.13. 6CT-002: ChangeRunningTask.Com The system plays a beep if the pressed shortcut isn't associated to a system plays. High  Difficulty: High  3.14. 6CT-003: ChangeRunningTask.Suc When a task is started the system presents a brief popup to the user intervention.  Priority: High	
The system plays a beep if the pressed shortcut isn't associated values.  Priority: High  Difficulty: High  3.14. 6CT-003: ChangeRunningTask.Suc When a task is started the system presents a brief popup to the user intervention.  Priority: High	
338 <u>Difficulty</u> : High  339 <u>3.14. 6CT-003: ChangeRunningTask.Suc</u> 340 When a task is started the system presents a brief popup to the user intervention.  342 <u>Priority</u> : High	
3.14. 6CT-003: ChangeRunningTask.Suc 340 When a task is started the system presents a brief popup to the 341 user intervention.  342 <u>Priority</u> : High	
When a task is started the system presents a brief popup to the user intervention.  Priority: High	
<del></del>	
343 <u>Difficulty</u> : High	
3.15. 7CT-001: ChangeTask Status The system loads all tasks from database and allows selecting doesn't allow to change the status of running tasks.	g them for change of status. It
347 <u>Priority</u> : Medium	
348 <u>Difficulty</u> : Low	
3.16. 8AI-001: Inactivity  The system verifies the user's inactivity for a period of time.	
-	



353 354		SAI-UU2: Inactivity.Notify  cocks the screen and asks the user what he wants to do. The user chooses to
355	•	e or add the time to the running task.
356	<u>Priority</u> :	High
357	<u>Difficulty</u> :	Medium
358 359		8AI-003: Inactivity.Notify.Adds ds the time to the running task.
360	<u>Priority</u> :	High
361	<u>Difficulty</u> :	Medium
362 363	The system ign	8AI-003: Inactivity.Notify.Ignores ores the time until last activity.
364	<u>Priority</u> :	Medium
365	<u>Difficulty</u> :	Low
366 367 368		12CIT-001: ConfigureInactiveTime eives a duration for the inactivity time if the user activated the inactivity alert.  Medium
369	<u>Difficulty</u> :	Low
370 371 372 373		12CIT-002: ConfigureInativeTime.Validate idates the inactive time field.  Medium  Low
374 375		12CIT-003: ConfigureInactiveTime.Validate.False sents a message with the reason it failed the validation.
376	<u>Priority</u> :	Medium
377	<u>Difficulty</u> :	Low



378 379		12CIT-004: ConfigureInactiveTime.Validate.True ves the inactivity time in the database.
380	<u>Priority</u> :	Medium
381	<u>Difficulty</u> :	Low
382 383 384 385	The system all	13CS-001: ConfigureShortcuts ows the user to associate five active tasks with keyboard shortcuts. The user ting active task and a combination of keys to define the shortcut.  Medium
386	<u>Difficulty</u> :	Low
387 388 389	The system val	13CS-002: ConfigureShortcuts.Validate lidates the entered choices. The system verifies if a shortcut was entered and a also verifies the existence of duplicated shortcuts or tasks.
390	<u>Priority</u> :	Medium
391	<u>Difficulty</u> :	Low
392 393 394		13CS-003: ConfigureShortcuts.Validate.True ves the information into database: task name and shortcuts.  Medium
395	<u>Difficulty</u> :	Low
396 397 398		13CS-004: ConfigureShortcuts.Validate.False esents message with the reason it failed the validation.  Medium
399	<u>Difficulty</u> :	Low
400 401 402	The system loa	14VTD-001: TaskDetails  ds the selected task information from the database and presents the task name, the individual times list with start date, end date and time spent.
403	<u>Priority</u> :	High
404	<u>Difficulty</u> :	Medium



405	3.29.	14VTD-002: TaskDetails.Calculate
406	The system cal	culates the time spent for each individual time entry.
407	<u>Priority</u> :	High
408	Difficulty:	Medium
409	3.30.	15FIT-001: FilterTask
410	The system allo	ows the filtering of the inactive tasks and only presents the active tasks.
411	<u>Priority</u> :	High
412	<u>Difficulty</u> :	Medium
413	3 31	15FIT-002: FilterTask.ShowAll
414		oups the active tasks and inactive tasks in different groups.
415	<u>Priority</u> :	High
416	<u>Difficulty</u> :	High
	0.00	4677 004 7
417		16ED-001: ExportData
418	The system allo	ows the user to choose the path to save the exported file.
419	<u>Priority</u> :	Medium
420	<b>Difficulty</b> :	Medium
424	2 22	16ED 002. ExportData Export
421 422		<b>16ED-002: ExportData.Export</b> Ids all the data to be exported from the database. The data is exported to a .csv
423	file.	ius an the data to be exported from the database. The data is exported to a less
424	<u>Priority</u> :	Medium
425	<u>Difficulty</u> :	Medium
426	3.34.	17TL-001: TaskList
427	The system all	ows the show/hide of the task list. This list can be sorted by name, total time
428	spent time of c	lay or stop date.
429	<u>Priority</u> :	High
430	Difficulty:	Medium



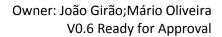
431	3.35.	17TL-002: TaskList.DefaultSort
432	The system sor	ts the tasks by descending order of stop date.
433	<u>Priority</u> :	High
434	<u>Difficulty</u> :	Medium
435	3.36.	17TL-003: TaskList.DefaultSort.CurrentTask
436	The system sho	ows at the top of the list the current task followed by the others.
437	<u>Priority</u> :	High
438	<u>Difficulty</u> :	Medium
439	3.37.	17TL-004: TaskList.Sort
440 441	•	ts the tasks by name, total time, spent time of day or stop date. Even if a task is assume the sorted position.
442	<u>Priority</u> :	High
443	<u>Difficulty</u> :	Low
444	3.38.	17TL-005: TaskList.TotalTime
445	The system pre	esents the total time for each task in the format hh:mm.
446	<u>Priority</u> :	High
447	<u>Difficulty</u> :	Low
448	3.39.	17TL-006: TaskList.Today
449	•	esents the today time for each task in the format hh:mm. If a task doesn't have
450	time registered	I in the current day the today time should present 00:00.
451	<u>Priority</u> :	High
452	<u>Difficulty</u> :	Low
453	3.40.	17TL-007: TaskList.StopDate
454 455		esents the stop date for each task in date format. If the task was performed in y, it is presented in the format hh:mm (last stop of day).
456	<u>Priority</u> :	High
457	<u>Difficulty</u> :	Low



458	3.41.	17TL-008: TaskList.Actions	
459	The system allows for each task a set of actions so the user can view the details, start/stop		
460	delete tasks an	nd activate or inactivate them.	
461	<u>Priority</u> :	High	
462	<u>Difficulty</u> :	High	
463	4. Inter	rface Requirements	
464	4.1.	UI-001: MainWindow	
465	The system sho	ows minimal view with a textbox to insert the task name, a button to start/stop	
466	and add the ta	sk, a timer, a button to view the task details, a button to edit the task, a button	
467	to show the co	infigurations form, a button to hide/show the tasks list and a button to close the	
468	application.		
469	<u>Priority</u> :	Medium	
470	<u>Difficulty</u> :	Medium	
471	4.2.	UI-002: Buttons that are always active	
472	The button to	show configurations, to hide/show tasks list and the button to close the	
473	application are	always active.	
474	<u>Priority</u> :	Medium	
475	<u>Difficulty</u> :	Medium	
476	4.3.	UI-003: Expand list button	
477	When the task	ks list isn't expanded, the expand button should show the symbol of a down	
478	arrow. When t	he tasks list is expanded it should show an up arrow.	
479	<u>Priority</u> :	Medium	
480	<u>Difficulty</u> :	Medium	
481	4.4.	UI-004: TextBox filled with a new task name	
482	The system act	civates the button to add task.	
483	<u>Priority</u> :	Medium	
484	<u>Difficulty</u> :	Medium	



#### UI-005: TextBox filled with Existence task name 485 486 The system enables the start, edit and view details buttons. If the Enter key is pressed the 487 system changes the start button to stop button. 488 **Priority**: Medium 489 **Difficulty**: Medium 4.6. UI-006: TextBox with running task 490 491 The system changes the start/add button to the stop button, view details button and it starts 492 timer. The edit button is disabled. 493 **Priority**: Medium Difficulty: Medium 494 **UI-007: Clicking in view details button** 495 The system presents a form with the details of the task and an edit button. 496 497 **Priority**: Medium **Difficulty**: Medium 498 **UI-008: Clicking in edit button** 499 The edition must be inline. In times table, each line has a button to delete that line. 500 501 **Priority**: Medium **Difficulty**: Medium 502 4.9. UI-009: Clicking in configuration button 503 The system presents a form with: 504 505 an export button; a checkbox to check/uncheck inactivity alerts and a textbox to define the inactivity 506 time. This text box is enable only if the inactivity alert is checked; 507 • five lines for shortcuts definition with the following composition: 508 509 one combo box for selecting an existing task; three checkboxes for check/uncheck the control keys ctrl, alt, shift; 510 511 one textbox for and additional key. 512 513 **Priority**: Medium 514 **Difficulty**: Medium





515	4.10. UI-010: Visual distinction between active and inactive	
516	tasks	
517	The system should differentiate visually the active from inactive tasks	
518	<u>Priority</u> :	Medium
519	<u>Difficulty</u> :	Medium
520	4.11.	UI-011: Modal Window
521	Always that the user open a form, the system doesn't allow any actions on the previous form.	
522	<u>Priority</u> :	Medium
523	Difficulty:	Medium
524		
525	5. Perfe	ormance Requirements
526	5.1.	PR-001: Startup of the application
527	The startup of	the application shouldn't last longer than 15 seconds.
528	<u>Priority</u> :	Medium
529	<u>Difficulty</u> :	Low
530	5.2.	PR-002: Transition time
531	The transition between forms, when the total number of tasks doesn't exceed 100, shouldn'	
532	last longer than	
533	<u>Priority</u> :	Medium
534	<u>Difficulty</u> :	Low



## **Appendix A: Data Dictionary**

535536

Term	Definition
Description	The field description accepts until 500 characters and accepts special characters.
End date	The field end date is of datetime type with the format dd-mm-yyyy hh:mm.
Inactive time	The inactive time field must be an integer number between 1 and 60.
Name	The field name accepts until 50 characters and special characters. The name is unique.
Start date	The field start date is of datetime type with the format dd-mm-yyyy hh:mm.
Status	A task has two status, active or inactive.
Time spent	The time spent field is calculated and should be presented with the following format hh:mm.
Total time	The total time field is calculated and should be presented with the following format hh:mm.

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