**My Headpain Diary**

**Official Documentation**

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**Public class MainFrame**

The main class for the program.

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| Constructor | Property | Details |
| MainFrame() | Public | Calls init() method |

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| Method | Property | Details |
| init() | private void | Initializes frame, displayed component, as well as settings |
| changePanel(JComponent) | public static final void | Changes the displayed JComponent on the frame |
| refreshSettings() | public static final void | Resets everything to the chosen settings |

**Public class PainEntryData**

Class to represent a pain entry as an object.

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| Constructor | Property | Details |
| PainEntryData(LinkedHashMap<String, Object>) | Public | Places the specified LinkedHashMap as the active object for the class |
| PainEntryData(Document) | Public | Transforms the pain entry data from XML Document to LinkedHashMap, and then placing it as the active object |

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| Methods | Property | Details |
| appendToMap(LinkedHashMap<String, Object>, Element, String) | Private void | A shortcut method to add Element data to the specified LinkedHashMap |
| getDataMap() | Public LinkedHashMap<String, Object> | Returns the entry data of the object as a LinkedHashMap |
| getDateMap() | Public LinkedHashMap<String, String> | Returns a LinkedHashMap of the Date data of the entry, with day, month, year separated by it’s own key. |
| getDocumentForm() | Public Document | Returns the entry data of the object as an XML Document object |
| getDurationsAsString() | Public String | Returns all durations of the entry as one String |
| getFullDate() | Public String | Returns the entry date, appended together as one String, separated by ‘/’ |
| getFullTime() | Public String | Returns the time of the entry, hours, minutes, and seconds appended into one String in that order, separated by ‘:’ |
| getFullTimeAndDate() | Public String | Returns the full time and date, appended into a String in that order |
| getIntensitiesAsString | Public String | Returns all intensity levels of the entry as one String |
| getPainKindAsString() | Public String | Returns all pain kinds in the entry as one String |
| getPainPositionsAsString() | Public String | Returns all pain position data of the entry into one String |
| mapPainLocationData(Element) | Private LinkedHashMap<String, Object> | Since an entry can have multiple pain location data, use this method to wrap each location into a LinkedHashMap. The Element object class parsed in the parameter is the Element containing the individual pain location data. |
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