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| --- | --- | --- | --- | --- |
| Name | Type | Protection | Description | Rational |
| m\_seconds | unsigned | private | Variable to store the seconds of a minute. | I chose unsigned as it cannot be negative. |
| m\_minutes | unsigned | private | Variable to store the minutes of an hour. | I chose unsigned as it cannot be negative. |
| m\_hours | unsigned | private | Variable to store the hours of a day. | I chose unsigned as it cannot be negative. |
| Time() |  | public | Default constructor. Sets time to 00:00:00 | Simple constructor. |
| SetSeconds(unsigned) | bool | public | Sets the seconds and returns true if successful. To be successful it must be a number between 0 and 59 inclusive. | Seconds need to be between 0 and 59 inclusive because that’s how time is or at least our representation of it. |
| SetMinutes(unsigned) | bool | public | Sets the minutes and returns true if successful. To be successful it must be a number between 0 and 59 inclusive. | Minutes need to be between 0 and 59 inclusive because that’s how time is or at least our representation of it. |
| SetHours(unsigned) | bool | public | Sets the hours and returns true if successful. To be successful it must be a number between 0 and 23 inclusive. | Using a 24 hour clock where 00:00 is midnight. |
| GetSeconds() const | unsigned | public | Retrieves the seconds by value. | Returns by value because it’s an unsigned int. |
| GetMinutes() const | unsigned | public | Retrieves the minutes by value. | Returns by value because it’s an unsigned int. |
| GetHours() const | unsigned | public | Retrieves the hours by value. | Returns by value because it’s an unsigned int. |

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