**2 Some error codes have already been defined for the software and are shown below with their associated message**.

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| **Error Number** | **Error Message** |
| 1 | 1: Membership Number is not numeric |
| 2 | 2: Membership Number is not 6 digits |
| 3 | 3: Membership Number is not a valid modulus 11 number |
| 4 | 4: Sex must be F or M |
| 5 | 5: Membership type must be F, S, T or B |
| 6 | 6: Invalid Date of Birth |
| 7 | 7: Invalid Join Date |
| 8 | 8: File not open |
| 9 | 9: Subscription month invalid |

The error codes 10-14 are unassigned and if required can be used for extra error messages

for your routines. Document any new error messages used.

If the Membership Number is empty, no error message is to be displayed and any other data entered is not to be saved when the Save Record button is clicked.

**Answer:**

[**Index.html**](index.docx)

[**Validator.js**](Validator.docx)

[**App.js**](app.docx)

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| --- | --- |
| **Error Number** | **Error Message** |
| E01 | Membership Number is not numeric |
| E02 | Membership Number is not 6 digits |
| E03 | Membership Number is not a valid modulus 11 number |
| E04 | Sex must be F or M |
| E05 | Membership type must be F, S, T or B |
| E06 | Invalid Date of Birth |
| E07 | Invalid Join Date |
| E08 | Subscription month invalid |
| E09 | Membership Number is not valid |
| E10 | Last Name is not a valid input |
| E11 | First Name is not a valid input |
| E12 | Postcode must have 5 digits |
| E13 | Invalid Address |
| E14 | Join Date cannot older than Date of Birth |

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| **Error Number** | **Solution** | **Reference** |
| E01 | Membership number must be numeric  (E.g. 135275) | Ref to index.html’s 32 lines |
| E02 | Membership number must be 6 digits  (E.g. 135275) | Ref to app.js 20-39 lines |
| E03 | Membership number must be modulus 11  (E.g. 135275) | Ref to validator’s 224-251 lines |
| E04 | Sex must be F or M  (E.g. F) | Ref to index.html’s112-117 lines |
| E05 | Membership type must be F, S, T or B  (E.g. B) | Ref to index.html’s 54-57 lines |
| E06 | Invalid Date of Birth  (E.g. 11-11-2000) | Ref to validator’s 118-129 lines |
| E07 | Invalid Join Date  (E.g. 3-1-2017) | Ref to validator’s 134-145 lines |
| E08 | Subscription month invalid  (E.g. February) | Ref to validator’s 194-207 lines |
| E09 | Membership Number must be valid  (E.g. 135275) | Ref to validator’s 65-80 lines |
| E10 | Last Name is must be input  (E.g. xinyi) | Ref to validator’s 103-116 lines |
| E11 | First Name is must be input  (E.g. Low) | Ref to validator’s 45-63 lines |
| E12 | Postcode must have 5 digits  (E.g. 81000) | Ref to validator’s 163-174 lines |
| E13 | Address must be input  (E.g. no 1717, jalan jambu 23, johor) | Ref to validator’s 147-161 lines |
| E14 | Join Date must smaller than Date of Birth  (E.g. join date – 1-1-2017  Date of birth – 11-11-2000  ) | Ref to validator’s 89-101 lines |