# Bug Report – Vansh Nagpal

Document each bug found in the following format:

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| Bug Name: | Invalid Birthday |
| Description: | The data loader seems to accept invalid birthdays that are not in the form “MMDDYYYY”, this causes it to raise null pointer exceptions as the data loader isn’t able to parse a date |
| Test Case: | void userInvalidBirthday() |
| Location of error: | DataLoader/DataWriter , parseDate method |

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| Bug Name: | Invalid Email |
| Description: | The data loader seems to accept invalid emails that are not in the form “something@something”, this is a logic error not a syntax error. It should not accept any ill formatted emails and set them to a default@email.sc.edu. |
| Test Case: | void userInvalidEmail() |
| Location of error: | DataLoader /User class, creating a User |

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| Bug Name: | Invalid ID |
| Description: | If the data loader encounters an invalid UUID, it raises an exception that is caught but never handled. Ideally we should assign a random UUID, if the one in the data loader is not properly formatted. |
| Test Case: | void userInvalidID() |
| Location of error: | DataLoader /User class, creating a User |

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| Bug Name: | Course without a teacher |
| Description: | The dataloader seems to read null values from the json and create a Teacher object that is null. This raises null pointer exceptions everywhere and should be handled by using default values for a teacher. |
| Test Case: | void courseNoTeacher() |
| Location of error: | DataLoader /DataWriter/Course creating a Course |

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| Bug Name: | Course without modules |
| Description: | The dataloader seems to read null values from the json and create a Module object that is null. This raises null pointer exceptions everywhere and should be handled by using default values for a null array list of modules. |
| Test Case: | void courseEmptyModule() |
| Location of error: | DataLoader /DataWriter/Course creating a Course |

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| Bug Name: | Course without assessment |
| Description: | The dataloader seems to read null values from the json and create a Assessment object that is null. This raises null pointer exceptions everywhere and should be handled by using default values for a null assessment instead of putting null into the course. |
| Test Case: | void courseNoAssessment() |
| Location of error: | DataLoader /DataWriter/Course creating a Course |

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| Bug Name: | Course without student grades |
| Description: | The dataloader seems to read null values from the json and tries to set the grades using the setCourseProgress method in the Student, but this causes the method to try to do null calculations and leads to null pointer exceptions. This should be handled with default values (0.0). |
| Test Case: | void courseNoGrades() |
| Location of error: | DataLoader /DataWriter/Course creating a Course |

## Report:

Take a screenshot showing your test cases, and if they passed or failed.

Text

Description automatically generated