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| General Information | |
| Use Case Name\Number : 04 Start Lesson  Subject Area : Mathenian Lesson  Description : Captures the steps to start a lesson | Responsible Analyst : Yee |

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| Requirements/Feature Trace | |
| **REQ#** | Requirements Name and / or Short Description |
| 1 | Users must be able to access the application through a smartphone |
| 2.1-2.3 | Users must be able to select a lesson from a hierarchy of mathematical concepts |
| 3.1 | Introductory lesson that covers the basic concepts |
| 3.2-3.4 | Submit an answer to a question |

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| Revision History | | |
| Author | **Date** | **Comments** |
| Yee | 10/15/2019 | First Draft |
| Yee | 10/20/2019 | Update names |
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| **Insertion Points in other Use Cases (Adds Only)** | | |
| Use Case Name | **Use Case Number** | **Step Inserted After** |
| N/A |  |  |
|  |  |  |

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| **Actors** | | |
| **Actor Name** | **Person/System** | **Brief Description** |
| Learner | Person | A person wanting to start a lesson |
| Lesson | System | A generated set of questions |
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| **Pre-Conditions** | |
| # | Description |
| 1 | Learner is logged in |
| 2 | Subjects page is displayed |

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| **Start Stimulus** |
| Learner clicks on subject icon/button |

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| **Use Case Main Course Steps** | | | |
| **Number** | **Description** | **Adds/Alt Name/Number** | **Bus Rule#** |
| 1 | Mathenian displays introduction |  |  |
| 2 | Mathenian displays first question |  |  |
| 3 | Mathenian prompts for answer |  |  |

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| **Exception Conditions** | | |
| **Exception Situations** | **Action(s) on Exception** | **Adds\Alt UC #** |
| N/A |  |  |

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| Post-Conditions | |
| **#** | **Description** |
| 1 | First question is displayed |
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| **Candidate Objects** | | |
| **Class/Object Name** | **Descriptions** | **Possible**  **attributes** |
| Learner | Can create profile, start lesson, end lesson, check statistics | Name, Questions Answered |
| Lesson | Holds introduction, questions | Subject, # of correct answers |

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| **Assumptions** | | | | | |
| **#** | **Assumption** | **Date**  **Raised** | **Raised**  **By** | **Date**  **Verified** | **Verified By** |
|  | N/A |  |  |  |  |
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| **Issues** | | | | | |
| **#** | **Issue** | **Date**  **Raised** | **Raised**  **By** | **Date**  **Verified** | **Verified By** |
|  | N/A |  |  |  |  |
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| **Other Comments** | | |
| **Author** | **Comment** | **Date** |
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| Frequency of Execution |
| **Frequency:**  Minimum: 5 Maximum: 100 Average: 10 (OR)Fixed:  **Per:** Hour:Day:  Week:  Month:  Other: |

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| **Timing Information** | | | | | | | |
| **#** | **At/**  **Between** | **Step(s)** | **Timing**  **Unit** | **Minimum** | **Average** | **Maximum** | **Comments** |
| 1 | Between | Start and step 1 | seconds | N/A | N/A | 1s | Don’t want Learner to spam tap the icon |
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| **Volume Information** | | | | | | |
| **#** | **Step #** | **Unit of**  **Measure** | **Minimum** | **Average** | **Maximum** | **Comments** |
| 1 | 1 | Bytes |  |  | 2K | Load questions from database for Step 2 |
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