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| Use Case | As a user, I want browse questions. |
| Participating Actor | User |
| Goal | Browse questions. |
| Trigger | User presses on a category button, then can see a list of corresponding questions. By moving his/her finger vertically on the screen (scroll bar), the user can then browse through the questions. |
| Pre-Condition | There must be questions already existing in the forum. |
| Post-Condition | The user has seen a list of questions. |

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| Use Case | As a user, I want to view a question and its answers. |
| Participating Actor | User |
| Goal | View a question and its corresponding answers. |
| Trigger | User presses on a question (button), and is then redirected to a page with the question at the top of the page, and a list of answers underneath (scroll bar). |
| Pre-Condition | A question with answers must already exist in the forum. |
| Post-Condition | The user has seen the question and its answers. |

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| Use Case | As a user, I want to view the replies to a question or answer. |
| Participating Actor | User |
| Goal | View the replies to a question or answer. |
| Trigger | User presses on a question (button), and is then redirected to a page with the question at the top of the page, and a list of answers/replies underneath (scroll bar). |
| Pre-Condition | A question with answers must already exist in the forum. |
| Post-Condition | The user has seen the replies to the question or answers. |

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| Use Case | As an author, I want to make questions. |
| Participating Actor | Author |
| Goal | Create/post a question. |
| Trigger | Author presses on the category for the question. At the top right of the new page, author presses a large “+” (button), and a dialog box pops up where a question can be typed out before pressing “YodelIt” to submit the question to the forum (button). |
| Pre-Condition | The author must know what question they wish to ask. |
| Post-Condition | The question has been posted onto the forum. |

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| Use Case | As an author, I want to answer questions by making an answer. |
| Participating Actor | Author |
| Goal | Create a response to a question. |
| Trigger | Author presses a question (button), and is redirected to a page with the question up top, followed by a list of answers (scroll bar). At the bottom right-hand corner, author presses a “+” button, after which a dialog box appears in which the author may type a response. The author then presses the “Echo” (button) to have the response submitted to the forum. |
| Pre-Condition | The author must know what question they wish to reply to, and what that reply would be. |
| Post-Condition | The answer to the question has been posted onto the forum. |

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| Use Case | As an author, I want to reply to questions and answers to clarify things. |
| Participating Actor | Author |
| Goal | Create a response to a question or answer. |
| Trigger | Author presses a question (button), and is redirected to a page with the question up top, followed by a list of answers (scroll bar). At the bottom right-hand corner, author presses a “+” button, after which a dialog box appears in which the author may type a response. The author then presses the “Echo” (button) to have the response submitted to the forum. |
| Pre-Condition | The author must know what question or answer they wish to reply to, and what that reply would be. |
| Post-Condition | The answer to the question or answer has been posted onto the forum. |

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| Use Case | As an author, I want to attach a picture to my questions or my answers. |
| Participating Actor | Author |
| Goal | Attach a picture to a question or answer. |
| Trigger | The author does a long press (button) of the area on which to type to question or answer, and a new dialog “Attach image” pops up. The author presses this new dialog (button), and then chooses an image from their library by browsing (scroll bar) and clicking (button) on the appropriate photo. Then, back in the original dialog box, the author submits the question or answer (button). |
| Pre-Condition | The author must know which image they would like to attach. |
| Post-Condition | The image is attached to the question or reply |

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| Use Case | As a sysadmin, I do not want the pictures to be large (> 64kb). |
| Participating Actor | Sysadmin |
| Goal | Ensure that attached pictures are not greater than 64kb in size. |
| Trigger | When pictures are uploaded |
| Pre-Condition | The picture to be attached must be greater than 64kb in size. |
| Post-Condition | The picture will not have been attached due to size restrictions, and the user will have been notified of this issue. |
| Use Case | As a user, I want to sort questions by if they have pictures. |
| Participating Actor | User |
| Goal | Have questions with pictures attached at the top of the sorted question list. |
| Trigger | When a user is in the question list, user hits sort button, dialog box offers sort by picture attachment button, presses said button. |
| Pre-Condition | The forum must have question/questions with picture attached to it. |
| Post-Condition | All questions in the category with picture attached will appear at the top of the question list. |

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| Use Case | As a user, I want to sort questions by date or some scoring system. |
| Participating Actor | User |
| Goal | Sort question using date. |
| Trigger | When a user is in the question list, user hits sort button, dialog box offers sort by latest/earliest buttons, presses one of said buttons. |
| Pre-Condition | Questions must exist in the category forum |
| Post-Condition | The questions are re-displayed using the sort by date method. |

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| Use Case | As a user, I want to upvote the questions of other users. |
| Participating Actor | User |
| Goal | Upvote question of other users. |
| Trigger | While the user is browsing through questions, they click on the thumbs-up (button) to the left of the question. |
| Pre-Condition | The author must know which questions they would like to upvote. |
| Post-Condition | The question has been upvoted, and the thumbs-up sign has changed color. |

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| Use Case | As a user, I want to upvote the answers of other users. |
| Participating Actor | User |
| Goal | Upvote answers of other users. |
| Trigger | While the user is browsing through answers, they may click on the thumbs-up (button) to the left of the question. |
| Pre-Condition | The author must know which answers they would like to upvote. |
| Post-Condition | The answer has been upvoted, and the thumbs-up sign has changed color. |

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| Use Case | As a user, I want to see the most upvoted questions and most upvoted answers. |
| Participating Actor | User |
| Goal | See the most upvoted questions and upvoted answers. |
| Trigger | When a user is in the question list, user hits sort button, dialog box offers sort by upgoats buttons, presses said buttons. |
| Pre-Condition | The author must know in which topic they would like to see the most upvoted questions and answers. |
| Post-Condition | The questions and answers in the selected topic will be sorted according to the most upvotes. |

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| Use Case | As a user, I want to see how many answers a question has received. |
| Participating Actor | User |
| Goal | See the how many answers a question has received. |
| Trigger | After a user clicks a particular question (button), they are redirected to a page with a list of responses. After scrolling to then end of the list of responses (scroll bar), the statistics of the question can be found. |
| Pre-Condition | A question must exist to have answers, and the user must know which questions statistics they wish to view. |
| Post-Condition | The user will have seen the statistics of the question. |

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| Use Case | As a user, I want to search for questions or answers. |
| Participating Actor | User |
| Goal | Search for questions or answers. |
| Trigger | After the user selects the topic from which they wish to search (button), they are re-directed to a new page. At the top of this page will be a search bar, which they can click (button). A keyboard will be appear at the bottom of the screen, with which the user can type in a search query before pressing “Enter” on the keyboard (button). |
| Pre-Condition | Questions and answers corresponding to the search query must exist in the forum. |
| Post-Condition | Questions and answers with that search query will have been listed for the user. |

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| Use Case | As an author, I want my device to remember which questions I asked. |
| Participating Actor | User |
| Goal | See which questions were asked by self. |
| Trigger | In the user’s profile, a list of questions asked will be kept (scroll bar). |
| Pre-Condition | The user must have asked at least one question. |
| Post-Condition | The user will be able to see which questions they asked. |

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| Use Case | As a user, I want questions and answers that I read or questions and answers that I've indicated I want to read, to be locally cached so I can read them when I am not on the internet. |
| Participating Actor | User |
| Goal | See which question and answers were read, or those, which were indicated to be read, off-line. |
| Trigger | Information about which questions / answers the user wants to read or has read will be stored locally, so that off-line these will be displayed. |
| Pre-Condition | The user must have read or have indicated to read at least one question / answer. |
| Post-Condition | The user will be able to see off-line which questions / answers that have read or were wanting to read. |

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| Use Case | As a user, I want to explicitly save some questions as favorites. |
| Participating Actor | User |
| Goal | Save certain questions as favourites. |
| Trigger | The user presses either a question or answer with a long press (button), which then causes a dialog box to open. This dialog box can be clicked on (button) to save the question / answer to favourites. Favourites may be viewed under the user profile. |
| Pre-Condition | The user must know which questions or answers they would like to favourite. |
| Post-Condition | The selected questions and answers are placed in favourites and can be viewed under the user profile. |

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| Use Case | As a user, my favorites and their replies should always be available to me regardless of network connectivity. |
| Participating Actor | User |
| Goal | Favourites and replies should be able to be read off-line. |
| Trigger | Information about favourites will be stored locally, so that off-line these will be displayed. |
| Pre-Condition | The user must have marked as least one question as a favourite. |
| Post-Condition | Questions marked as favourites as the corresponding replies will be available off-line. |

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| Use Case | As an author, I want to author replies, questions and answers offline. |
| Participating Actor | Author |
| Goal | Create questions and replies off-line. |
| Trigger | Questions may be created by the author using the same method as that for online questions. Replies can only be made to questions which have been marked favourite or to be read. These questions and replies will then be pushed once connectivity is found. |
| Pre-Condition | The author must eventually have connectivity. |
| Post-Condition | All question and replies created offline are pushed to the forum. |

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| Use Case | As an author, I want to push my replies, questions and answers online once I get connectivity. |
| Participating Actor | Author |
| Goal | Push questions and replies to forum once connectivity is found. |
| Trigger | All questions and replies made offline are stored in a separate file, whose contents, if full are sent to the forum once connectivity is found. |
| Pre-Condition | The author must have created questions and replies when off-line. |
| Post-Condition | All question and replies created offline are pushed to the forum once connectivity is found. |

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| Use Case | As a user, by default, I should see the most fresh comments. |
| Participating Actor | User |
| Goal | See the most fresh comments. |
| Trigger | When comments are made, they are compared against existing comments to see which has the most recent timestamp. The comment with the most recent timestamp is pushed above the others. |
| Pre-Condition | Multiple comments must have been made. |
| Post-Condition | The comments are shown to the user in chronological order. |

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| Use Case | As an author, I set my username. |
| Participating Actor | User |
| Goal | Set own username. |
| Trigger | Under Profile, the user must press on the text box for the user name (button). This will cause a keyboard to pop up at the bottom of the screen. Once the user has typed in a username, and pressed “Enter” on the keyboard (button), the username will be stored. All future question and replies will be made with that username until changed. |
| Pre-Condition | The user must not already have a username, or must want to change their username. In both cases, the user must know what username they would like. |
| Post-Condition | The username is changed. |