**System functions**:

Module functions:

1. Sign up

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| Code | User module – Specialist module |
| Description | - Allows user to sign up to the system to access its features  - e.g.: ask, answer, creating groups |
| Input | * First name * Last name * E-mail * password |
| Output | * Be logged in |
| Pre-conditions | - Valid e-mail |
| Post-conditions | - e-mail must match password of the user to use it to log in to the system later  - e-mails shouldn’t be duplicated |

1. Log in

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| --- | --- |
| Code | User module – Specialist module |
| Description | - Logging to the system to access its features  - e.g.: ask, answer, creating groups |
| Input | * E-mail * password |
| Output | * Be logged into home page |
| Pre-conditions | - e-mail matches the password entered by the user |
| Post-conditions | - No post conditions |

1. Ask a question

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| --- | --- |
| Code | Post module – User module |
| Description | - Posts in Code Guide is simply questions asked by users about the problem faced them in programming. |
| Input | * Programming language * Question text * Files * Choose between asking community or specialist |
| Output | * Your question will appear on home page and stored in the database |
| Pre-conditions | - User must be signed in  - Asking specialist recommends that you have premium account.  - number of characters of the question shouldn’t exceed 600 characters. |
| Post-conditions | - Your post must be ethical in order not to be removed by the admin. |

1. Answer

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| --- | --- |
| Code | User module – Post module |
| Description | - Whole community can comment on any post and specialists can comment on premium users’ questions |
| Input | * Comment text * Files |
| Output | * Your answer will appear beyond the post and stored in the database |
| Pre-conditions | - User must be signed in  - number of characters of the question shouldn’t exceed 600 characters. |
| Post-conditions | - Your answer must be ethical in order not to be removed by the admin. |

1. View all questions

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| --- | --- |
| Code | User module – Specialist module |
| Description | - View all questions on home page |
| Input | * No input |
| Output | * Questions will appear giving you functionality to comment on them, view community answers, bookmark them. |
| Pre-conditions | - User must be signed in to comment or bookmark a question |
| Post-conditions | * No post conditions |

1. View all answers

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| --- | --- |
| Code | User module |
| Description | - View all answers of certain post on clicking of answers button on the post. |
| Input | * No input |
| Output | * Answers will appear giving you functionality to rate them, view community answers. |
| Pre-conditions | - User must be signed in to rate a specific answer. |
| Post-conditions | * No post conditions |

1. Search

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| --- | --- |
| Code | Post module |
| Description | - Search all questions on database |
| Input | * Enter your query in search bar in navigation bar |
| Output | * All questions related to your query will appear in on home page |
| Pre-conditions | - No pre-conditions |
| Post-conditions | * No post-conditions |

1. Bookmark

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| --- | --- |
| Code | Post module |
| Description | - this functionality enables you to save a post asked by the others to be able to view it later |
| Input | * Clicking on bookmark button on the post |
| Output | * The post will be saved in bookmarks list. |
| Pre-conditions | - You must be signed in |
| Post-conditions | * No post-conditions |

1. Rate

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| --- | --- |
| Code | Post module |
| Description | - this functionality enables you to rate a specific answer on certain post with helpful, so that the answer with high rating will appear at the top of the answers on that post |
| Input | * Clicking on helpful button on the answer |
| Output | * The answer will appear at the top. |
| Pre-conditions | - You must be signed in |
| Post-conditions | * No post-conditions |

1. Report a question

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| --- | --- |
| Code | Post module |
| Description | - User can report a question to the admin, so that the admin will remove it from the database directly. |
| Input | * Clicking on report button on the post. |
| Output | * The post will be reported to the admin. |
| Pre-conditions | - You must be signed in. |
| Post-conditions | * No post-conditions |

1. Create group

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| Code | Group module |
| Description | - User can create groups with other colleagues in order to share their ideas or questions with each other.  -The admin of the group will give the group a name and add members to it. |
| Input | * Click on create group button on your profile page and search for members. |
| Output | * New group will be created and will appear on users’ group list. |
| Pre-conditions | - You must be signed in. |
| Post-conditions | * Groups must be accessed by its members only. |

1. View profile page

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| --- | --- |
| Code | User module – Specialist module |
| Description | - User can view his/her profile, containing all posts asked by him or her , viewing all the groups created by him or her, bookmarks of others’ posts. |
| Input | * Click on view profile icon on the nav bar. |
| Output | * Viewing user’s posts , groups , bookmarks. |
| Pre-conditions | - You must be signed in. |
| Post-conditions | * No post-conditions |