System modules

1. Posts

* Posts in Code Guide is simply questions asked by users about the problem faced them in programing• To create Post you must have any account on code guide• Also in making post you must determine which language this post related• These posts can be filtered by language where all questions about this language are grouped together• Each question will have answers answered by other users or specialist, these answers will get rate by users and most helpful answer will have highest rate and so will be put first, after the questions directly.
* Context diagram

**Searching**

**system**

**View community**

**answers**

**View community**

**answers**

**Bookmark**

**system**

**Reporting**

**system**

**Comment**

**system**

* Activity diagram

**Report**

**Comment**

**Bookmark**

No

**Signed in**

**View Answers**

**Search for questions**

**View questions**

**Asking a question**

* State machine diagram

**Logging in**

**Logging in**

**Action: - report\_admin()**

**Reporting a question**

**Action: - Bookmark()**

**Bookmark**

**Action: - Comment()**

**- Rate()**

**Commenting**

**Action: - Search()**

**- View\_questions()**

**- View\_Answers()**

**Visiting website**

**Action: - Search()**

**- View\_questions()**

**- View\_Answers()**

**Asking question**

**Action: - post()**

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* Data flow diagram (Viewing posts)

**Visitor**

**Comments database**

**D**

**Posts database**

**D**

**Validating user e-mail**

**Sign in**

**1**

**2**

**D**

**Users database**

**3**

**D**

**Posts database**

**User**

**3**

**View Answers**

**View questions**

**2**

**Visiting website**

**1**

* Data flow diagram (Posting)

**Posting a question**

1. Groups

* These groups are a tighter area for a group of users where they can communicate privately and easier than in public.• Group will have its admin whom organizes it “instructors most often” & members• Posts and material in the group will be exclusive to that group nobody outside group could access this information.
* Context diagram:

**Posting**

**system**

**removing members**

**system**

**Adding members**

**system**

**Create group**

**system**

**Commenting**

**system**

* Activity diagram

**Create group**

**Specify group name**

**Adding members**

**Asking a question**

**Adding members**

**Comment**

**Removing members**

* State machine diagram

**Group page**

**Action: - Comment()**

**- Rate()**

**Commenting**

**View profile**

**Create group**

**Action: - Adding\_members()**

**- Removing\_members()**

**Action: - Create group()**

**Asking a question**

**Action: - group\_post()**

* Data flow diagram

**Groups database**

**User**

**Posts database**

**D**

**D**

**3**

**Posting**

**2**

**Create group**

**1**

**Adding members**