UC-1 : Login/Register

extracting the responsibility

|  |  |  |
| --- | --- | --- |
| Responsibility Description | Type | Concept Name |
| Coordinate actions of all concepts associated with a use case. | D | Controller |
| Check ID which has same ID and Password compared with Database’s data | D | ValidIDChecker |
| Registered ID data is stacked in here. | K | Database |
| Employee sends approval request message to administer and administer send approval message to employee to ID valid. | D | MessageSender |
| If ID is not valid or register is complete, system give instruction message box to user. | D | SystemMessage |

Extraction the Associations

|  |  |  |
| --- | --- | --- |
| Concept pair | Association description | Association Name |
| Controller  <-> ValidIDChecker | Controller gives Database data to ValidIDChecker. | Conveys data |
| ValidIDChecker<->Database | Use database’s data to check. | Provides data |
| MessageSender  <->Database | Register employee’s ID valid in database when administer send approval message | Conveys data |
| Controller <->SystemMessage | Controller shows SystemMessage to user. | Conveys data |

Extraction the Attributes

|  |  |  |
| --- | --- | --- |
| Concept | Attributes | Attribute Description |
| SystemMessage | Instruction information | Register Success, log-in fail message box. |
| Database | Registered  ID information | Valid data for log-in |

UC-2: Selection menu

extracting the responsibility

|  |  |  |
| --- | --- | --- |
| Responsibility Description | Type | Concept Name |
| Back to previous display | D | back |
| Touch the display to control | D | touch |
| Menu’s next display information | K | Menu data |
| Move display to selected button | D | Display mover |
| Display the current menu information | D | Current info |

Extraction the Associations

|  |  |  |
| --- | --- | --- |
| Concept pair | Association description | Association Name |
| back  <-> touch | Back activate when touched. | Conveys data |
| Display mover  <-> touch | Display moves when touched. | Conveys data |
| Menu data  <->Display mover | Display mover needs menu data to move appropriate display | Provides data |

Extraction the Attributes

|  |  |  |
| --- | --- | --- |
| Concept | Attributes | Attribute Description |
| Menu data | Next display information | Next display information |
| Current info | Current display information | Current display information |

UC-3: Company information

extracting the responsibility

|  |  |  |
| --- | --- | --- |
| Responsibility Description | Type | Concept Name |
| Back to previous display | D | back |
| Touch the display to control | D | touch |
| Company’s information about financial state, CED etc. | K | Company info |

Extraction the Associations

|  |  |  |
| --- | --- | --- |
| Concept pair | Association description | Association Name |
| back  <-> touch | Back activate when touched. | Conveys data |
| Company info  <-> touch | Can view more detailed data when touch. | Conveys data |

Extraction the Attributes

|  |  |  |
| --- | --- | --- |
| Concept | Attributes | Attribute Description |
| Company info | Company’s information | Information about current state of company. |

UC-4: Suggestion box

extracting the responsibility

|  |  |  |
| --- | --- | --- |
| Responsibility Description | Type | Concept Name |
| Back to previous display | D | back |
| Touch the display to control | D | touch |
| Move display to selected button | D | Display mover |
| New post& read articles button on display | K | buttons |
| Posted data is storage in here. and save unfinished document in here too. | K | Database |
| Uploads the posted data chronologically. Add comments for articles in read displays. | D | Data Controller |
| Can write articles in here | K | Post display |
| Read articles in here. | K | Read display |
| Used for updating data immediately. | D | Time controller |

Extraction the Associations

|  |  |  |
| --- | --- | --- |
| Concept pair | Association description | Association Name |
| back  <-> touch | Back activate when touched. | Conveys data |
| Display mover  <-> touch | Display moves to Post and Read display when touched. | Conveys data |
| Buttons  <-> display mover | Needs for move appropriate display. | Provides data |
| Data controller  <->time controller | Time controller’s data is used for immediate update. | Provides data |
| Data controller  <-> Database | Information acted in data controller stacked in Database. | Conveys data |

Extraction the Attributes

|  |  |  |
| --- | --- | --- |
| Concept | Attributes | Attribute Description |
| Time controller | time information | Concurrent time information |
| buttons | Display information | Read and post display information |
| Database | Article information | Updated Article information |
| Comment information | Updated comment information |

UC-5: Payment

extracting the responsibility

|  |  |  |
| --- | --- | --- |
| Responsibility Description | Type | Concept Name |
| Back to previous display | D | back |
| Touch the display to control | D | touch |
| Information about user’s payments. | K | Payment info |
| Restrict employee’s access of all user’s payment display | D | Restriction controller |
| Move displayer to selected button | D | Display mover |
| All user’s payment information button and my payment information button displayed. | K | buttons |
| User’s information (administer or employee) | K | User data |
| Display the payments. | D | Payment’s display |

Extraction the Associations

|  |  |  |
| --- | --- | --- |
| Concept pair | Association description | Association Name |
| back  <-> touch | Back activate when touched. | Conveys data |
| Display mover  <-> touch | Display moves to Post and Read display when touched. | Conveys data |
| Restriction controller  <-> User data | Restrict based on user data | Provides data |
| Payment info<->Payment’s display | Display based on payment info’s data | Provides data |

Extraction the Attributes

|  |  |  |
| --- | --- | --- |
| Concept | Attributes | Attribute Description |
|  |  |  |
|  |  |  |

UC-6: Employee management