**Method Design**

**Class** :  Account

Method : all method in this class is getter method.

Parameters : none

Role :   allow system to get each value of Account object.

**Class** : AccountController, AccountService, AccountDao

Method : addAccount()

Parameters : Account acc

Return Type : void

Role : used to add a new object of Account into the database.

Method : verifyAccount()

Parameters : String username, String password

Return Type : Boolean

Role : used to verify the matching of username and password in database.

Method : getAccount()

Parameters : Long accID

Return Type : Account

Role : used to get specific object of Account.

Method : editAccount()

Parameters : Account acc

Return Type : void

Role : used to edit specific account and update to the database

Method : removeAccount()

Parameters : Long accID

Return Type : void

Role : used to remove specific account from the database.

**Class** : AccountView  
Method : displayAccountDetail()  
Parameters : Long accountID  
Return Type : void  
Role : used to display the account details to user.

**Class** :  News

Method : all method in this class is getter method.

Parameters : none

Role :   allow system to get each value of News object.

**Class** : NewsController, NewsService, NewsDao

Method : addNews()

Parameters : News news

Return Type : void

Role : used to add a new object of News into the database.

Method : getNewsList()

Parameters : none

Return Type : List<News>

Role : used to get list of news which embed in the database.

Method : getNewsDetail()

Parameters : Long newsID

Return Type : News

Role : used to view detail of specific news.

Method : editNews()

Parameters : News news

Return Type : void

Role : used to edit specific news and update to the database

Method : removeNews()

Parameters : Long newsID

Return Type : void

Role : used to remove specific news from the database.

**Class** : NewsView

Method : displayNewsList()

Parameters : none

Return Type : void

Role : used to display list of news to the user.

Method : displayNewsDetail()

Parameters : Long newsID

Return Type : void

Role : used to display detail of specific news to the user.

**Class** :  Activity

Method : all method in this class is getter method.

Parameters : none

Role :   allow system to get each value of Activity object.

**Class** : ActivityController, ActivityService, ActivityDao

Method : addActivity ()

Parameters : Activity activity

Return Type : void

Role : used to add a new object of Activity into the database.

Method : getActivityList()

Parameters : none

Return Type : List<Activity>

Role : used to get list of activity which embed in the database.

Method : getActivityDetail()

Parameters : Long activityID

Return Type : Activity

Role : used to view detail of specific activity.

Method : editActivity ()

Parameters : Activity activity

Return Type : void

Role : used to edit specific activity and update to the database

Method : removeActivity ()

Parameters : Long activityID

Return Type : void

Role : used to remove specific activity from the database.

**Class** : ActivityView

Method : displayActivityList()

Parameters : none

Return Type : void

Role : used to display list of activity to the user.

Method : displayActivityDetail()

Parameters : Long activityID

Return Type : void

Role : used to display detail of specific activity to the user.

**Class** :  Post

Method : all method in this class is getter method.

Parameters : none

Role :   allow system to get each value of Post object.

**Class** :  Comment

Method : all method in this class is getter method.

Parameters : none

Role :   allow system to get each value of Comment object.

**Class** : ForumsController, ForumsService, ForumsDao

Method : addPost()

Parameters : Post post

Return Type : void

Role : used to add a new object of Post into the database.

Method : addComment()

Parameters : Comment comment

Return Type : void

Role : used to add a new object of Comment into the database.

Method : getPostList()

Parameters : none

Return Type : List<Post>

Role : used to get list of post which embed in the database.

Method : getCommentList()

Parameters : none

Return Type : List<Comment>

Role : used to get list of comment which embed in the database.

Method : getPostDetail()

Parameters : Long postID

Return Type : Post

Role : used to view detail of specific post with comment.

Method : editPost()

Parameters : Post post

Return Type : void

Role : used to edit specific post and update to the database

Method : editComment()

Parameters : Comment comment

Return Type : void

Role : used to edit specific comment and update to the database

Method : removePost()

Parameters : Long postID

Return Type : void

Role : used to remove specific post from the database.

Method : removeComment()

Parameters : Long commentID

Return Type : void

Role : used to remove specific comment from the database.

**Class** : ForumsView

Method : displayPostList()

Parameters : none

Return Type : void

Role : used to display list of post to the user.

Method : displayCommentList()

Parameters : none

Return Type : void

Role : used to display list of comment to the user.

Method : displayPostDetail()

Parameters : Long postID

Return Type : void

Role : used to display detail of specific post to the user.

Method : displayCommentDetail()

Parameters : Long commentID

Return Type : void

Role : used to display detail of specific comment to the user.

**Class** : TempleMain

Method : retrieveAccountFromDatabase()

Parameters : Long accID

Return Type : Account

Role : used to retrieve information of account from the database

Method : recordAccountToDatabase()

Parameters : Account account

Return Type : void

Role : used to record object of account to the database

Method : retrieveNewsFromDatabase()

Parameters : none

Return Type : List<News>

Role : used to retrieve information of news from the database

Method : validateAccountFromDatabase()

Parameters : String username, String password

Return Type : boolean

Role : used to validate username, password that exist in the database or not

Method : recordNewsToDatabase()

Parameters : News news

Return Type : void

Role : used to record object of news to the database

Method : retrieveActivityFromDatabase()

Parameters : none

Return Type : List<Activity>

Role : used to retrieve information of activity from the database

Method : recordActivityToDatabase()

Parameters : Activity activity

Return Type : void

Role : used to record object of activity to the database

Method : retrievePostFromDatabase()

Parameters : none

Return Type : List<Post>

Role : used to retrieve information of post from the database

Method : recordPostToDatabase()

Parameters : Post post

Return Type : void

Role : used to record object of post to the database