

Abstract	
User	
AdminUser, RegularUser, GuestUser	
• Store UserName	<ul style="list-style-type: none">• AdminUser• RegularUser• GuestUser

AdminUser	
User	
• Store Password	<ul style="list-style-type: none">• User

RegularUser	
User	
• Store Password	<ul style="list-style-type: none">• User

GuestUser	
User	
	<ul style="list-style-type: none">• User

UserManager	
• Store an array of Users	<ul style="list-style-type: none">• User• UserLogin• UserLoadSaver

UserLogin	
<ul style="list-style-type: none"> • Provide a UI asking User input for UserName • Go for the UserManager's User array for corresponding one • +Display error message if not found • +Ask for password if found • ++Display error message if not correct • ++Display success if correct and jump to the corresponding UserNavigator • Create a new GuestUser • Signup- 	<ul style="list-style-type: none"> • UserManager • UserNavigator

UserLoadSaver	
<ul style="list-style-type: none"> • Read the file for Users • Store the updated User array into the file 	<ul style="list-style-type: none"> • UserManager

Abstract	
UserNavigator AdminUserNavigator, RegularUserNavigator, GuestUserNavigator	
<ul style="list-style-type: none"> • Provide a UI for the User to select what to do • +Logout and jump to the UserLogin • +Display an array of public Games • +Select one for Gameplay • 	<ul style="list-style-type: none"> • AdminUserNavigator • RegularUserNavigator • GuestUserNavigator

AdminUserNavigator		UserNavigator
<ul style="list-style-type: none">• Display an array of Templates(Through TemplateEditor)• Select one For TemplateEditor and edit• Store it into the file using TemplateLoadSaver• Signup new RegularUser		<ul style="list-style-type: none">• TemplateManager

RegularUserNavigator		UserNavigator
<ul style="list-style-type: none">• Display an array of Templates(Through GameEditor)• Select one for GameCreator to create a new Game• Display an array of Private Games(Through GameManager)• Select one for GameEditor• Store that in the buffer array of GameManager		<ul style="list-style-type: none">• GameManager

GuestUserNavigator		UserNavigator
<ul style="list-style-type: none">• Display an array of Templates• Select one for GameCreator to create a new Game		<ul style="list-style-type: none">• TemplateManager• GameManager