**Volunteer Event System**

# 1. Event Type

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| --- | --- | --- | --- |
| EventType | When | Description | Where |
| UserRegisterEvent | 新用户注册时产生 | eventValue:null sender:该user的id | UserController.cs->Register() |
| LevelupEvent | 用户升级时产生 | eventValue:所升级数  sender:该Volunteer的id | VolunteerPoint.cs -> AddPoints()分数变化且升级时 |
| PointChangeEvent | volunteer分数变化时 | eventValue:获得point数 sender:该Volunteer的id | VolunteerPoint.cs -> AddPoints()分数变化 |
| ApplyFriendEvent | 申请加好友时产生 | eventValue:请求加好友的人的id,被请求加好友人的id  sender:请求加好友的人的id, comment | FriendServiceInVolunteerService.cs-> ApplyFriend () |
| AcceptFriendApplicationEvent | 同意好友申请时产生 | eventValue: 请求加好友的人的id,被请求加好友人的id, comment sender: 被请求加好友人（同意好友申请的人）的id | FriendServiceInVolunteerService.cs-> AcceptFriendApplication() |
| RefuseFriendApplicationEvent | 拒绝好友请求时产生 | eventValue: 请求加好友的人的id,被请求加好友人的id, comment sender: 被请求加好友人（拒绝好友申请的人）的id | FriendServiceInVolunteerService.cs-> RefuseFriendApplication () |
| BreakOffFriendshipEvent | 断绝好友关系时产生 | eventValue: 申请断绝关系的人id,被申请人的id sender: 申请断绝关系的人的id | FriendServiceInVolunteerService.cs-> BreakOffFriendship () |
| ActivityStatusChangeEvent | 活动状态变化时产生 | eventValue：activity当前状态 sender：该activity的id | Activity.cs->get Status |
| ActivityAboutToStartEvent | 活动即将开始时产生 | eventValue：null sender：该activity的id | VolunteerService.cs-> checkEveryHour() |
| VolunteerSignInEvent | volunteer sign in一个活动时产生 | eventValue:volunteer的id,activity的id sender: volunteer的id | Activity.cs->SignIn |
| VolunteerSignOutEvent | volunteer sign out一个活动时产生 | eventValue:volunteer的id,activity的id sender: volunteer的id | Activity.cs->SignOut |
| KickVolunteerOutEvent | 已经sign in的Volunteer被踢出 | eventValue:volunteer的id,activity的id sender: volunteer的id | Activity.cs->KickVolunteerOut |
| UnKickVolunteerOutEvent | 被误踢的用户恢复 | eventValue:volunteer的id,activity的id sender: volunteer的id | Activity.cs->UnKickVolunteerOut |
| VolunteerCheckInEvent | volunteer check in一个活动时产生 | eventValue:volunteer的id,activity的id sender: volunteer的id | Activity.cs->CheckIn |
| VolunteerCheckOutEvent | volunteer check out一个活动时产生 | eventValue:volunteer的id,activity的id, VolunteerStatus sender: volunteer的id | Activity.cs->CheckOut 及Activity.cs->CheckOutAll |
| VolunteerFavoriteActivityEvent | volunteer 收藏一个活动时产生 | eventValue:volunteer的id,activity的id sender: volunteer的id | VolunteerService.cs-> VolunteerFavoriteActivity() |
| OrganizationKickOrganizerOutEvent | Organization踢掉一个organizer成员时产生 | eventValue:organizaer的id, oganization的id, comment sender:oganization的id | VolunteerService.cs-> OrganizationKickOrganizerOut() |
| OrganizationAcceptOrganizerApplicationEvent | Organization接受一个organizer的申请时产生 | eventValue:organizaer的id, oganization的id, comment sender:oganization的id | VolunteerService.cs-> OrganizationAcceptOrganizerApplication() |
| OrganizationRefuseOrganizerApplicationEvent | Organization拒绝一个organizer的申请时产生 | eventValue:organizaer的id, oganization的id, comment sender:oganization的id | VolunteerService.cs-> OrganizationRefuseOrganizerApplication() |
| BadgeGrantedEvent | 获得一个badge的时候产生 | eventValue:badge的name sender:userId | BadgeService.cs-> SatisfyRequirement()  BadgeService.cs-> GrantBadge() |
| InvitedVolunteerVerifyEmailEvent | 被邀请的volunteer验证邮箱时产生 | eventValue: 被邀请人的id, 邀请人的id sender: 邀请人的id | User.cs-> VerifyEmail() |
| VerifyEmailEvent | 成功验证邮箱时产生 | eventValue:null sender:userId | User.cs-> VerifyEmail() |
| VerifyPhoneNumberEvent | 成功验证手机时产生 | eventValue:null sender:userId | User.cs-> VerifyPhone() |
| AppLoginEvent | 使用手机客户端登陆时产生 | eventValue:null sender:userId | UserController.cs-> Login() |
| ChangeAvatarEvent | 修改头像时产生 | eventValue:null sender:userId | UserController.cs-> UploadImage() |
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# 2.Subscriber

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| --- | --- | --- | --- |
| Name | TriggerEventTypes | HandlerNames | TriggerSender |
| UserRegisterSubscriber | UserRegisterEvent | UserRegisterHandler | null |
| LevelupSubscriber | LevelupEvent | LevelupHandler | null |
| ApplyFriendSubscriber | ApplyFriendEvent | ApplyFriendHandler | null |
| AcceptFriendApplicationSubscriber | AcceptFriendApplicationEvent | AcceptFriendApplicationHandler | null |
| RefuseFriendApplicationSubscriber | RefuseFriendApplicationEvent | RefuseFriendApplicationHandler | null |
| BreakOffFriendshipSubscriber | BreakOffFriendshipEvent | BreakOffFriendshipHandler | null |
| ActivityStatusChangeSubscriber | ActivityStatusChangeEvent | ActivityStatusChangeHandler | null |
| ActivityAboutToStartSubscriber | ActivityAboutToStartEvent | ActivityAboutToStartHandler | null |
| VolunteerSignInSubscriber | VolunteerSignInEvent | VolunteerSignInHandler | null |
| VolunteerCheckOutSubscriber | VolunteerCheckOutEvent | VolunteerCheckOutHandler | null |
| OrganizationKickOrganizerOutSubscriber | OrganizationKickOrganizerOutEvent | OrganizationKickOrganizerOutHandler | null |
| OrganizationAcceptOrganizerApplicationSubscriber | OrganizationAcceptOrganizerApplicationEvent | OrganizationAcceptOrganizerApplicationHandler | null |
| OrganizationRefuseOrganizerApplicationSubscriber | OrganizationRefuseOrganizerApplicationEvent | OrganizationRefuseOrganizerApplicationHandler | null |
| BadgeGrantedSubscriber | BadgeGrantedEvent | BadgeGrantedHandler | null |
| InvitedVolunteerVerifyEmailSubscriber | InvitedVolunteerVerifyEmailEvent | InvitedVolunteerVerifyEmailHandler | null |
| KickVolunteerOutSubscriber | KickVolunteerOutEvent | KickVolunteerOutHandler | null |
| UnKickVolunteerOutSubscriber | UnKickVolunteerOutEvent | UnKickVolunteerOutHandler | null |
| VerifyEmailSubscriber | VerifyEmailEvent | VerifyEmailHandler | null |
| VerifyPhoneNumberSubscriber | VerifyPhoneNumberEvent | VerifyPhoneNumberHandler | null |
|  |  |  | null |
|  |  |  | null |

# 3.Badge

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| --- | --- | --- | --- | --- | --- |
| BadgeName | badge描述 | SubscriberName | TriggerEventTypes | HandlerNames | TriggerSender |
| I Volunteer | 用户注册后获得 | UserRegisterBadgeSubscriber | UserRegisterEvent | UserRegisterBadgeHandler | null |
| 分享达人 | 邀请10位用户注册并验证邮箱获得 | Invite10VolunteersRegisterSubscriber | InvitedVolunteerVerifyEmailEvent | Invite10VolunteersRegisterBadgeHandler | null |
| @\_@ | 验证邮箱后获得 | VerifyEmailBadgeSubscriber | VerifyEmailEvent | VerifyEmailBadgeHandler | null |
| BigBrother | 验证手机后获得 | VerifyPhoneNumberBadgeSubscriber | VerifyPhoneNumberEvent | VerifyPhoneNumberBadgeHandler | null |
| First Blood! | volunteer checkout一个活动且在活动中状态为complete时获得 | FinishOneActivityBadgeSubscriber | VolunteerCheckOutEvent | FinishOneActivityBadgeHandler | null |
| 相见恨晚 | 有一个好友后获得（无论是别人向你申请还是你向别人申请） | AddOneFriendBadgeSubscriber | AcceptFriendApplicationEvent | AddOneFriendBadgeHandler | null |
| 尽在掌握 | 用户登陆手机客户端后获得 | AppLogInBadgeSubscriber | AppLoginEvent | AppLogInBadgeHandler | null |
| 有真相 | 上传自定义头像后获得 | ChangeAvatarBadgeSubscriber | ChangeAvatarEvent | ChangeAvatarBadgeHandler | null |
|  |  |  |  |  | null |
|  |  |  |  |  | null |
|  |  |  |  |  | null |