Sports Recruiter

Server Interface

Video-related Interfaces

- `selectAthleteVideos( guid athleteID, VideoSelectionCriteria selection ) : guidList`
  - athleteID required
  - selection may be null (returns all)
  - guidList is a list of matching video identifiers
- `selectTeamVideos( guid teamID, VideoSelectionCriteria selection ) : guidList`
  - teamID required
  - selection may be null (returns all)
  - guidList is a list of matching video identifiers

Video-related Interfaces

- `getVideoStream( guid videoID ) : VideoStreamDescriptor`
  - returns a VideoStreamDescriptor for the video specified by the videoID
  - VideoStreamDescriptor: identifies the server and port to use, will be extended to include methods for authentication and authorization to video service
- `downloadVideo( guid videoID ) : Url`
  - returns a Url from which the video can be downloaded
  - QUESTION: should we just stream the video to a data sink that saves to a file instead of to the athlete/editor?
  - More complicated than Url download?
  - Eliminates the need to expose a URL that is not “publicly” available
- `uploadAthleteVideo( VideoStreamDescriptor localStream, guid athleteID, guid teamID, guid opponentID, string title, string description, int year ) : bool`
  - localStream is a local RTP server that streams video to Sports Recruiter server
  - athleteID, title, and description, and year are required
  - teamID, opponentID may be null
  - returns true on success (asynchronous call?)
- `uploadTeamVideo( VideoStreamDescriptor localStream, guid teamID, guid opponent, string title, string description, int year ) : bool`
  - localStream is a local RTP server that streams video to Sports Recruiter server
  - teamID, title, description, and year are required
  - opponentID may be null
  - returns true on success (asynchronous call?)
Video-related Interfaces

- getVideoAuthorizations( ) : GuidList
- allowVideoAccess( GuidList colleges ) : bool
  - if colleges is null, all access is granted
  - if colleges is empty, no access is granted

Authentication Interface

- enrollAthleteClient(Athlete athlete, BillingInfo info)
- enrollCollegeClient(College college, BillingInfo info)
- enrollHighSchoolClient(HighSchool hs, BillingInfo info)
- login( string id, string password ) : string
  - returns an session identifier to be used to authorize access
  - in other methods
- logout( string session )
  - ends session, new login required for further access

Message Interface

- getMessages(guid id, guid lastViewedID) : MessageList
  - id: team or athlete id
  - lastViewedID: guid of last request of this type viewed
  - returns a (possibly empty) list of message ids for the current user matching the given type
- getMessage( guid messageID ) : Message
- sendMessage( guid addressee, Message message ) : bool
  - send message to addressee
  - extension: implement multicast by accepting guidList
- deleteMessage( guid messageID ) : bool

Interface to Athlete Information

- getAthletes( AthleteSelectionCriteria selection ) : AthleteList
  - selection criteria includes state, region, high school id, and position
  - returns a list of athlete guides
- getAthlete( guid athleteID ) : Athlete
  - Athlete class contains directory information
- getAcademicInfo( guid highSchoolID, guid athleteID ) : AcademicInfo
- getForm( guid highSchoolID, FormType form ) : Form
- updateAthlete( guid athleteID, Athlete athlete ) : bool
Interface to Athlete Information

- getAcademicAuthorizations() : GuidList
- allowAcademicAccess( GuidList colleges ) : bool
  - colleges cannot be null or empty
- removeAcademicAccess( GuidList colleges ) : bool
  - colleges cannot be null or empty

Interface to College Information

- getColleges( CollegeSelectionCriteria selection ) : CollegeList
  - returns a list (possibly empty) of college ids matching the given selection criteria
  - selection criteria includes state, region, conference, and division
- getCollege( guid collegeID ) : College
  - College includes directory information (includes up to 3 title/URL pairs of links to college web sites)
- updateCollege( guid collegeID, College college ) : bool