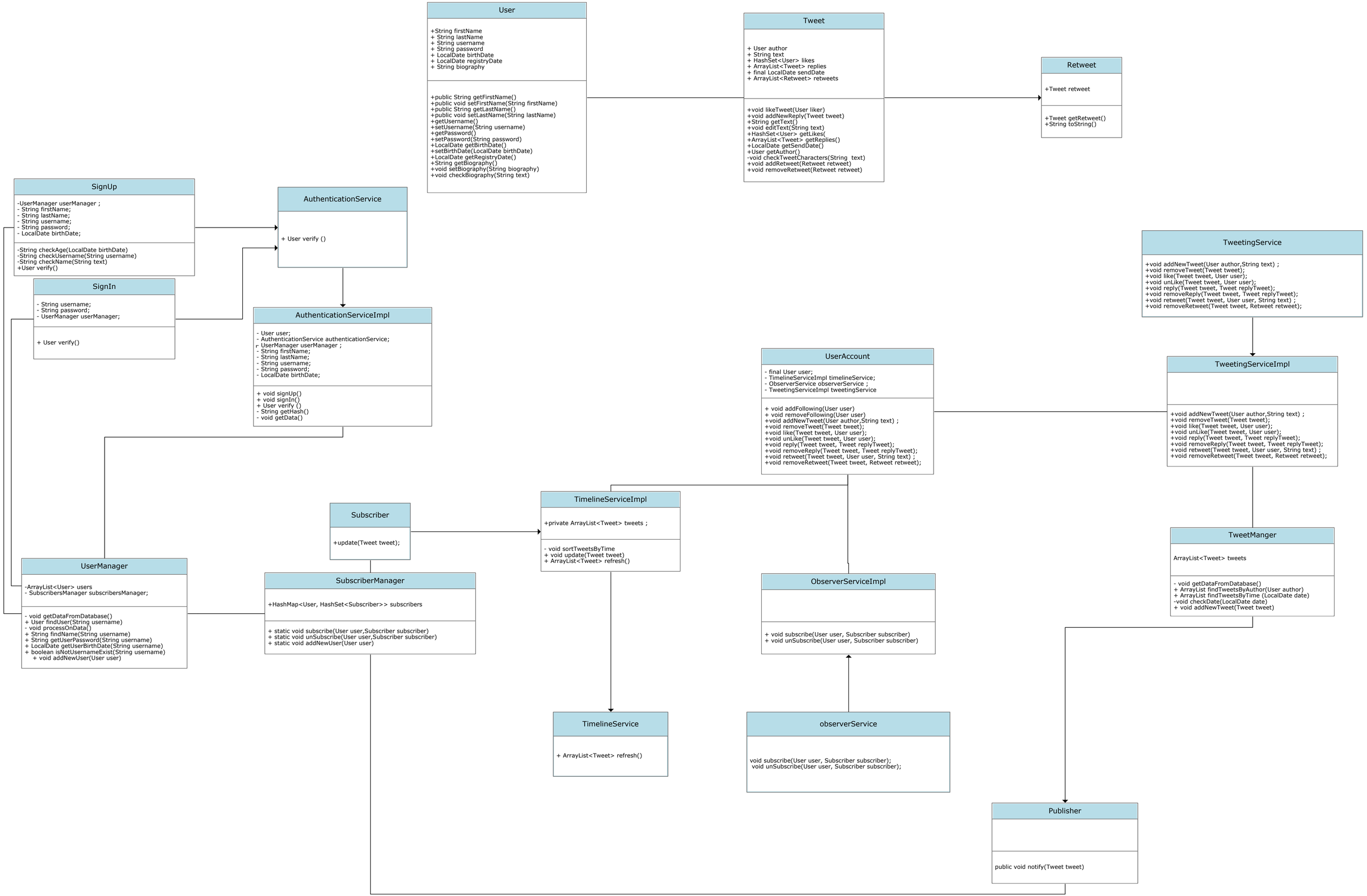
User
+String firstName
+ String lastName
+ String username
+ String password
+ LocalDate birthDate
+ LocalDate registryDate
+ String biography
+public String getFirstName()
+public void setFirstName(String firstName)
+public String getLastName()
+public void setLastName(String lastName)
+getUsername()
+setUsername(String username)
+getPassword()
+setPassword(String password)
+LocalDate getBirthDate()
+setBirthDate(LocalDate birthDate)
+LocalDate getRegistryDate()
+String getBiography()
+void setBiography(String biography)
+void checkBiography(String text)
Tweet
+ User author
+ String text
+ HashSet<User> likes
+ ArrayList<Tweet> replies
+ final LocalDate sendDate
+ ArrayList<Retweet> retweets
+void likeTweet(User liker)
+void addNewReply(Tweet tweet)
+String getText()
+void editText(String text)
+HashSet<User> getLikes(
+ArrayList<Tweet> getReplies()
+LocalDate getSendDate()
+User getAuthor()
-void checkTweetCharacters(String text)
+void addRetweet(Retweet retweet)
+void removeRetweet(Retweet retweet)
Retweet
+Tweet retweet
+Tweet getRetweet()
+String toString()
SignUp
-UserManager userManager ;
- String firstName;
- String lastName;
- String username;
- String password;
- LocalDate birthDate;
-String checkAge(LocalDate birthDate)
-String checkUsername(String username)
-String checkName(String text)
+User verify()
AuthenticationService
+ User verify ()
SignIn
- String username;
- String password;
- UserManager userManager;
+ User verify()
AuthenticationServiceImpl
- User user;
- AuthenticationService authenticationService;
- UserManager userManager ;
- String firstName;
- String lastName;
- String username;
- String password;
- LocalDate birthDate;
+ void signUp()
+ void signIn()
+ User verify ()
- String getHash()
- void getData()
TweetingService
+void addNewTweet(User author,String text) ;
+void removeTweet(Tweet tweet);
+void like(Tweet tweet, User user);
+void unLike(Tweet tweet, User user);
+void reply(Tweet tweet, Tweet replyTweet);
+void removeReply(Tweet tweet, Tweet replyTweet);
+void retweet(Tweet tweet, User user, String text) ;
+void removeRetweet(Tweet tweet, Retweet retweet);
UserAccount
- final User user;
- TimelineServiceImpl timelineService;
- ObserverService observerService ;
- TweetingServiceImpl tweetingService
+ void addFollowing(User user)
+ void removeFollowing(User user)
+void addNewTweet(User author,String text) ;
+void removeTweet(Tweet tweet);
+void like(Tweet tweet, User user);
+void unLike(Tweet tweet, User user);
+void reply(Tweet tweet, Tweet replyTweet);
+void removeReply(Tweet tweet, Tweet replyTweet);
+void retweet(Tweet tweet, User user, String text) ;
+void removeRetweet(Tweet tweet, Retweet retweet);
TweetingServiceImpl
+void addNewTweet(User author,String text) ;
+void removeTweet(Tweet tweet);
+void like(Tweet tweet, User user);
+void unLike(Tweet tweet, User user);
+void reply(Tweet tweet, Tweet replyTweet);
+void removeReply(Tweet tweet, Tweet replyTweet);
+void retweet(Tweet tweet, User user, String text) ;
+void removeRetweet(Tweet tweet, Retweet retweet);
Subscriber
+update(Tweet tweet);
TimelineServiceImpl
+private ArrayList<Tweet> tweets ;
- void sortTweetsByTime
+ void update(Tweet tweet)
+ ArrayList<Tweet> refresh()
TweetManger
ArrayList<Tweet> tweets
- void getDataFromDatabase()
+ ArrayList findTweetsByAuthor(User author)
+ ArrayList findTweetsByTime (LocalDate date)
-void checkDate(LocalDate date)
+ void addNewTweet(Tweet tweet)
UserManager
-ArrayList<User> users
- SubscribersManager subscribersManager;
- void getDataFromDatabase()
+ User findUser(String username)
- void processOnData()
+ String findName(String username)
+ String getUserPassword(String username)
+ LocalDate getUserBirthDate(String username)
+ boolean isNotUsernameExist(String username)
+ void addNewUser(User user)
SubscriberManager
+HashMap<User, HashSet<Subscriber>> subscribers
+ static void subscribe(User user,Subscriber subscriber)
+ static void unSubscribe(User user,Subscriber subscriber)
+ static void addNewUser(User user)
ObserverServiceImpl
+ void subscribe(User user, Subscriber subscriber)
+ void unSubscribe(User user, Subscriber subscriber)
TimelineService
+ ArrayList<Tweet> refresh()
observerService
void subscribe(User user, Subscriber subscriber);
void unSubscribe(User user, Subscriber subscriber);
Publisher
public void notify(Tweet tweet)