Company Looks for Extra Potential Candidates through the Recommendation System

Company	S&C Server	Database	Recommendation System	Email Service	Student

Company → S&C Server: openInternshipPage(internshipId: String)

S&C Server → Database: getInternshipDetails(internshipId: String)

Database ⇢ S&C Server: return internshipDetails

S&C Server ⇢ Company: return internshipPage

Company → S&C Server: openApplicantsPage(internshipId: String)

S&C Server → Database: getApplicantsList(internshipId: String)

Database ⇢ S&C Server: returns applicantsList

S&C Server ⇢ Company: return applicantsPage

alt [The list of recommended applicants needs to be updated.]

Recommendation System → Database: getInternshipDetails(internshipId: String)

Database ⇢ Recommendation System: return internshipDetails

Recommendation System → Recommendation System: computeStudentFiltes(internshipDetails: Object)

Recommendation System → Database: getStudentsWithFilters(queryFilters: SQLPreparedStatement)

Database ⇢ Recommendation System: return matchingStudents

Recommendation System → Database: setMatchingStudentsForInternship(internshipId: String, matchingStudents: Array<String>)

Database ⇢ Recommendation System: --

Company → S&C Server: openRecommendedApplicantsPage(internshipId: String)

S&C Server → Database: getRecommendedApplicantsList(internshipId: String)

Database ⇢ S&C Server: return recommendedApplicantsList

S&C Server ⇢ Company: return recommendedApplicantsPage

> *Note:* Yes, the RS maybe will propose
> the internship to a student automatically
> but now the company is actively showing
> interest in a possible candidate.
> The student can see that a company is interested
> in them after having read their CV not
> just the "random" recommendation
> of an algorithm!

Company → S&C Server: openApplicantCVPage(studentId: String)

S&C Server → Database: getStudentCV(studentId: String)

Database ⇢ S&C Server: return studentCV

S&C Server ⇢ Company: return applicantCVPage

Company → S&C Server: showInterestInST(studentId: String)

S&C Server → Email Service: generateEmailNotification(studentId: String, internshipId: String)

Email Service → Student: deliverEmail(mail: Object)

Email Service ⇢ S&C Server: --

S&C Server → Database: logCOInterestForST(studentId: String, internshipId: String)

Database ⇢ S&C Server: --

S&C Server ⇢ Company: return notificationSent

alt [The Student, if it wants, can apply to the internship manually.]

Student → S&C Server: __Student_Internship_Apply_Sequence (see other diagrams)

S&C Server ⇢ Student: --