



CS251 – Software Engineering I

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CS251: Phase 1 – Team Name
Project: <FCIRearch>

Software Requirements Specifications

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Software Requirements Specifications

Instructions [To be removed]

Team

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Document Purpose and Audience

- **Purpose :**
 - This document describes completely the system in terms of functional and nonfunctional requirements and it can be considered as a contract between client and developer.
- **Audience:**
 - The audience for this includes the client, the users, the project management, the developers who participate in the requirements, and the system designers.

Introduction

Software Purpose

- This software system aims to connect FCI researchers together
- Provide an easy access for research outcomes, share knowledge, and get answers for their questions



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- The system introduce different researchers to each other.
- Researchers with similar interests can post and answer questions to each other, and can also send public questions for all members.
- Each researcher should be able to create research groups and add members to it

Software Scope

- This software system will be FCIResearch which aims to connect FCI researchers (doctors, teaching assistants, and students of research interests) together. This system will be designed to provide an easy access for research outcomes, share knowledge, and get answers for their questions .by providing profile for each researcher with an overview about himself, and description for his research interests. Researcher can select research topics of his interest, and "FCIResearch" should tag each user according to his selected topics. Using these tags, the system should be able to introduce different researchers to each other. Researchers with similar interests can post and answer questions to each other, and can also send public questions for all members.
- More specifically each researcher can share his research outcomes (publications, technical documents, presentations, code, etc.)
- The software will facilitate communication between doctors, teaching assistants, and students as Researchers can ask the author researcher for access to any of his resources/outcomes.
- Each researcher should be able to create research groups and add members to it. Only group creator can delete it. "FCIResarch" should have a separate page/link for current existing research groups with its descriptions, and contacts for its members. Non-members can send a notification for group creator to join his group hence can either confirm or reject.

Requirements

Functional Requirements

- Sign up
 - Ask the user to enter his FCI E-mail and a password to make an account for him on the site.
- login



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Software Requirements Specifications

- Ask user for his login information like the E-mail and password to access his account on the site. (He must be signed up first).
- Select Topic
 - The Researcher can select research topics of his interest
- Tag User
 - The FCIRearch will tag every researcher (user) according to his selected topic.
- Introduce Researchers
 - the system will introduce different researchers to each other using the tags in “tag User” function
- Post Question
 - by using this function researchers with similar interests will be able to post questions to each other
- Answer Question
 - By using this function researchers with similar interests will be able to answer questions that were posted using “post Question” function.
- Public Question
 - By using this function researchers can send public questions to all members.
- Share Outcome
 - by using this function researchers will be able to share his research outcome (publications, technical documents, presentations, code, etc.)



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- sending Notification Access
 - In this function researcher ask the author for access to this resources and outcomes by sending him notifications describing the purpose of access to this resource.
- Reply Notification
 - In this function author can reply the notification that was sent by the user using the function “sending Notification Access”.
- Select Action
 - In this function the author select "will send mail" action, so he will later respond by a private mail for the resource requester that was sent by the user using the function “sending Notification Access”.
- Create Group
 - this function allows the researcher to create groups
- Add Member
 - This function allows the researcher to add members to the group he created using the function “Create Group”.
- Edit
 - This function allows the member in the group to edit its name, description, members, and meeting times.
- Delete
 - This function allow only group creator do delete the group.



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- Current Groups
 - In this function there will be a link or page for existing research groups with its descriptions, and contacts for its members.
- Send Group Notification
 - This function allows Non-members to send a notification for group creator to join his group.
- Reply Group Notification
 - In this function group creator can reply the notification that was sent by the user using the function “send Notification To Group”.
- Select Creator Action
 - In this function the creator select "will send mail" action, so he will later respond him by a private mail (may ask for meeting, request info, etc.).
- Confirm Member
 - This function is used by group creator to confirm member to join the group.
- Reject Member
 - This function is used by group creator to reject member from joining the group.
- logout
 - This function is used by researcher when we aims to logout from his account and close it for that moment.

Policy Regarding Plagiarism:

Students have collective ownership and responsibility of their project. Any violation of academic honesty will have severe consequences and punishment for ALL team members.



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Software Requirements Specifications

1. تشجع الكلية على مناقشة الأفكار و تبادل المعلومات و مناقشات الطلاب حيث يعتبر هذا جوهرها لعملية تعليمية سليمة
 2. ساعد زملاءك على قدر ما تستطيع و حل لهم مشاكلهم في الكود و لكن تبادل الحلول غير مقبول و يعتبر غشا.
 3. أى حل يتشابه مع أى حل آخر بدرجة تقطع بأنهما منقولان من نفس المصدر سيعتبر أن صاحبيهما قد قاما بالغش.
 4. قد توجد على النت برامج مشابهة لما نكتبه هنا أى نسخ من على النت يعتبر غشا يحاسب عليه صاحبه.
 5. إذا لم تكن متأكدا أن فعلا ما يعد غشا فلتسأل المعيد أو أستاذ المادة.
- في حالة ثبوت الغش سيأخذ الطالب سالب درجة المسألة ، و في حالة تكرار الغش سيرسب الطالب في المقرر.