

# Project Plan: SafeSEX Screen

**Author: *Team Cranky Euler***

## 1 Introduction

The objective is to build a web-based tool that recommend screening for Chlamydia and Gonorrhea in sexually active women age 24 years and younger and in older women who are at increased risk for infection.

## 2 Process Description

### Authentication Service

The service should authenticate the user into the application. It should allow the user to login and logout of the application.

Input: Authentication information such as email, username e.t.c

Output: Authentcation feedback, if successful, redirect to recommendation service, else inform user of the errors.

### Patient Screening Recommendation Service

This service should provide recommendation to women on whether they should go for screening if they are likely to suffer from Chlamydia and Gonorrhea.

Input: Patient health information: age, demographriics, medical history, sexual history e.t.c

Output: Likelihood of suffering from Chlamydia, Gonorrhea,

whether or not they should go for screening, how often they should go for screening.

### Integration with FHIR Screening Recommendation Service

This service will help doctors recommend patients for screening of Chlamydia or Gonorrhea if they are at risk based on data accessible through the FHIR API.

Input: Patients' medical history records, demographics, sexual history

Output: Likelihood of suffering from Chlamydia, Gonorrhea, whether or not they should go for screening, how often they should go for screening.

## 3 Team

Team members :

Project Manager - Responsible for all aspects of project success. Defining project, building work plan, assigning work, and overseeing execution.

Quality Assurance - Assures that project quality expectations will be fulfilled.

Software Developer - Responsible for building the project itself from a software perspective.

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## 4 Preliminary Questions

What are the features the tool needs to support?

How will it be used?

Are we limited in any way in terms of the technologies we can use?

How do we determine who is and isn't at risk of infection? Is that part of research that we should do? Is that out of scope for us?

Any specific design we have to follow?

Is our work affected in any way by the fact that another team (Terminators) is working on the same project?

CRANKY EULER GROUP PROJ.

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PHASE	DETAILS	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER	
PROJECT WEEK:		Enter the date of the first Monday of each month -->													
			9	16	21	30	7	14	21	28	4	11	18	25	2
1	Deliverable 0:Team confirmation	- Team Confirmation Part A	Team Confirmation Part A				TEAM CONFIRMATION PART B								
		- Team Confirmation Part B													
		- Hello World Deployment					Hello World Deployment!								
	Deliverables 1 & 2	- Deliverable 1: Planning & Requirements					Deliverable 1: Planning & Requirements								
		- Deliverable 2: Product Design					Deliverable 2: Product Design								
3	Deliverable 3	- Deliverable 3: Develop & Test I					Deliverable 3: Develop & Test I								
		- Deliverable 3: Develop & Test II						Deliverable 3: Develop & Test II							
		- Deliverable 3: Develop & Test III							Deliverable 3: Develop & Test III						
		- Deliverable 3: Develop & Test IV								Deliverable 3: Develop & Test IV					
4	Deliverable 4	- Deliverable 4: Deployment									Deliverable 4: Deployment				
		- Deliverable 5: Final Submission										Deliverable 5: Final Submission			
5	Submission and Evaluation	- Team Member Evaluation												Team Member Evaluation	
		- Mentor Evaluation												Mentor Evaluation	

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