# Usability test:

# First click testing:

First click testing is a method of a website, app, or design by finding out how easy it is to complete the given task. The main aim of this testing is to verify the first click a user makes on interface to carry out a give task is clear and easy. It gives the information about user expectations, particularly for common interface elements. This test can be run by using the screenshots, pdf’s and sketches, they will give the freedom to test early in the design process, all the way through to the final designs and live interfaces. It can be done in the functional website, a prototype and wireframe. This test allows you to evaluate the effectiveness of the linking structure of your site, including the navigation, to see if the users how to get around the site and complete their intended tasks and see the response of the users. Here regarding to the project, we have to first create an account on the usability hub, then create a new test for the ever note application and see the response of the application when we click on the particular tabs like home page, posts, etc. Some of the screen shots can be attached below to understand more about this test.

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# personas and scenarios:

The description of a target user for a product or service is defined as personas. A persona summarizes the target user’s background, goals, and needs related to the product or task. The persona helps you better understand your target users, so you can design a solution to meet their expectations. It is entirely based on the research data collected from the number of users through observations, research, interviews, survey, etc. Here we can use formats to represent personas, but personas are usually condensed to one page in length and often contain information such as:

1.profile background: which contains the basic information about the person like name, profile and the category he/she belongs to.

a. profile:

            b. user name

            c. type of user

2. goals and tasks :what goals or purpose does user want to achieve when using the application, and what tasks does user need to perform with the application to meet the goals.

3. anxiety and motivation: what influences user’s behaviors and decisions related to adopting a possible new solution to meet the goals and perform the tasks.

4. frustration and concerns: what pain points does user experience with the current situation or current solutions.

5.needs and expectations: what are the needs that we get by using the application what are user’s expectations related to the functionality, usability, and user experience of possible new solution.

6. scenario: A persona is typically combined with one or more scenarios. A scenario is a brief introduction about how and why the persona would use the product to complete a particular task in a specific context. Different scenarios could be written for different tasks or different contexts

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| profile.png  **User name: Harika** | **Profile background:**  She is a student, from India studying maters in software engineering.  **Goals and tasks:**  Her goals is to be a tester in the software field. she used this application to explore her knowledge by sending the posts. |
| **Anxieties and Motivations:**  She was very anxious about the making new applications, even though she is not good at coding, she spend a lot of time in to solve errors in the code keep her down.  The motivation for her is she was attended many competitions related to the information technology code fair events, and she won many times in the competition, gets many complements from the peers.  **Frustrations and Concerns:**  She is not good at programming, so she face a lot of bugs when she work on the internships opportunities and she concern about making the money while doing the work. | **Needs and expectations:**  she expects her hard work will improves her study as well as career  **Scenario:**  Try to develop a application which is really useful for her study . |

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| Business man working | Public domain vectors  **User name: James** | **Profile background:**  He is M. James, worked as a software developer in one of the reputed companies in Australia.  **Goals and tasks:**  His goal is to work on the number of software applications and get more knowledge, and he wish to survive his life in software field. |
| **Anxieties and Motivations:**  As a part of his work he always took the challenging applications and develop them. His hard work and latest applications motivated him more.  **Frustrations and Concerns:**  He was frustrated with some problems with code implementation and some hectic work from the organization . | **Needs and expectations:**  He expected that his salary is to be incremented.  **Scenario:**  He is currently working on the different types of applications belongs to the various scenarios. |

**Conclusion:**

**Ethical consideration:**

In general Ethics means the set of value or moral principles which regulates the behaviour of individual or any group.as a software engineer , you have to accept that your job involves more responsibilities then simply the application of the technical skills. You must have to behave an ethical and responsible way if you are to be respected as a professional engineer. It goes without saying that you should uphold normal standards of honesty and integrity. we should keep in mind we never use our skills in a dishonest way or in a way that it will bring disrepute to the software engineering. However there are some of the standards professional responsibilities, like confidentiality, competence, intellectual property right and computer misuse.

Confidentiality: you should always respect the confidential about your employment or client agreements has been signed.

Competence: you should not misrepresent your level of competence. You should not knowingly accept work that is outside your competence.

Intellectual property rights: you should be aware of the intellectual property rights such as patent and copyrights.

Computer misuse: you should never use technical skills to misuse other people’s personal devices.

Ethics of software engineering:

Professional institutions and societies are playing an important role in setting the ethical standards. some of the organizations like ACM and IEEE(Institution of electrical and electronic engineering) and British computer society publish a code of professional conduct or code of ethics.

The Code of Ethics in software engineering focuses on providing the high quality software. They are committed to analyzing, specifying, designing, developing, testing, and maintaining software that is beneficial and effective for the company or client. So it is very important to follow the code of ethics in software engineering. In accordance with their commitment to the health, safety, and welfare of the public, software engineers shall adhere to some of principles. These can be given as public, client and employer, product, judgment, management, profession, colleagues and self. ethics in software engineering are very important because it benefits to the public and it meets the professional standards, like it can acts consistently with the public intrests. Software should be looked upon as a tool to help our society function more efficiently. Without ethics, software engineers could get off scot-free for participating in reckless behaviour and decision-making.

**Further work:**

* In the future, a new feature can be implemented and get the popup notification when the person is posts the new post.
* We can also add the share and like options for the post that we really like.
* The other feature is “add” option in the posts, as of now we have only update and delete options but the add feature can also be used in the near future by making some improvements.
* The another further work is, we may develop the android version of the application with some features.
* In future, we can post the video’s and add some categories like educations, business etc..

**Lession learnt:**

Ever note is a social note posting application, which can be build using the flask in python and full stack development. The concept of this social posting application is to enable all the users to share their ideas, thoughts and notations across everyone who is using this application. It includes all the features like social posting app’s but not includes share link and comment. It’s a highly encrypted applications. The user have a capability of creating their accounts, login to their accounts, update their information, updating the posts. This application will give the opportunity to the users to post their ideas and thoughts. In application we have learnt how to do the testing by using robot framework and fix the issue we have found in the application. We have done the testing process in an ethical and fair manner keeping the code of ethics in our mind.