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| Project Charter |
| Drink Water |

# Project Description

The task of the application is to collect information about the amount of liquid drunk, physical activities and physique of the user in order to correctly determine the recommended amount of water for a specific person. The application should generate statistics so that the user can monitor the progress of the liquid consumed.

# Business case

Water is very important for fine wellbeing. And since about 60% of the [human body is water](https://www.eatingwell.com/article/292259/does-sparkling-water-make-you-bloated/), according to the [U.S. Geological Survey (USGS)](https://www.usgs.gov/special-topics/water-science-school/science/water-you-water-and-human-body), it needs to [maintain hydration levels](https://www.eatingwell.com/article/7676558/what-is-maple-water-and-should-you-be-drinking-it/) to fuel cells.

Nowadays, people`s lives are busy, some people feel like they just don’t have time to think about grabbing a drink. For others, they have water on their desk at work, but they just don`t drink. That is why there is need of water tracker that will help user to drink enough water for optimal hydration.

By using the app, people will be able to better monitor how much water they have drunk and how much is recommended.

# Initial Project Team

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# Main Stakeholders

* Ministry of Health of Ukraine as Subject Matter Expert to give us all necessary information of how to define optimal amount of water to drink.
* End users (a group of people of different ages) who will use this application to give us their thoughts about how they see this application to be useful for them.

# Project Deliverables

* Documentation of the product requirements
* User-friendly interface with authorization
* Database of users and their information such as age, gender, climate, activity during the day and height.
* Database of consumed water information
* Calculations how much water the user should drink considering the age, gender, climate, activity during the day and height.
* Statistics of consumed water for one day
* Statistics of consumed water for one week
* Statistics of consumed water for one month
* Statistics of consumed water for one year and from a certain date.

# Initial assumptions, risks, constraints

Assumptions:

* Stakeholders will be open to collaborate
* Product will be delivered in time
* Team members have all necessary skills to build this product
* Application will be used as intended (by people over 12 years of age)

Risks:

* Delay in earlier [project phases](https://www.stakeholdermap.com/project-dictionary/what-is-project-phase.html) jeopardizes ability to meet fixed date
* Unplanned work that must be accommodated
* [Business Case](https://www.stakeholdermap.com/project-management/business-case.html) becomes obsolete or is undermined by external or internal changes
* Legal action delays or pauses [project](https://www.stakeholdermap.com/project-management/what-is-a-project.html)

Constraints:

* Application should work for Ukraine location only
* Product should be developed using .Net
* Planning part of the project should not take more than 2 weeks

# Measurable Project Objective

To increase the average amount of water drunk per day by a citizen of Ukraine by 5% per year of using the application.

| REVISION HISTORY | | | | |
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| Ver. | Author | Date | Approved | |
| Name | Date |
| 1 | Myroslava Stopets | 03.03.2023 | Customer | 03.03.2023 |