SE 216 – SOFTWARE PROJECT MANAGEMENT
SOFTWARE MEASUREMENTS DOCUMENT

PROJECT NAME: **HOME AGAIN**

GROUP MEMBERS: **BEYZA ÖZGÜR, BORA YÖRÜK, BİRKAN SARIBACAK, KUBİLAY KALKAN**

Questions to identify measurements:

1. Has everyone done their duty?
2. Did the project adhere to its schedule?
3. Does the project meet the desired requirements?
4. Did the project require extra cost?
5. What is the size of the project?
6. Were the training days enought to learn how to use the tools?

Identified measurements:

- Individual time-logs (Total hours spent on tasks and meetings by each member) **(1)**
- Desired deadline and number of days to finish each tasks **(2)**
- Customer Feedbacks **(3)**
- Number of customer-involved meetings **(3)**
- Number of defects **(3)**
- Number of executable, declarative, blank and comment lines **(4)**
- Amount of budget allocated before and spent after the project **(5)**
- Number of training days **(6)**

Measurement storage and collection:

- **Total hours spent on tasks and meetings by each member**
  What: Person hours spent
  When: After each iteration
  Format: Real number data
  How: Recording to a pre-prepared individual time-log spreadsheets
  Whom: By Beyza Özgür

- **Desired deadline and number of days**
  What: Total number of days left to complete for each task until desired deadline.
  When: Each week on Thursday at 21.00
  Format: Real number data
  How: Comparing the deadline date to task finish date recorded on a spreadsheet.
  Whom: By Birkan Sarıbacak

- **Customer feedbacks**
  What: Number of positive and negative customer feedbacks
  When: After the project is gone into use
  Format: Written sentence data
  How: Based on recording Google Play Store comments and feedbacks via email.
  Whom: By Bora Yörük

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- **Customer-involved meetings**
  What: Number of customer-involved meetings
  When: After each customer-involved meetings
  Format: Real number data
  How: By recording the meetings to a prespecified spreadsheet
  Whom: By Kubilay Kalkan

- **Defect Count**
  What: Number of defects found in codes to determine inaccurate requirements and incomplete design & implementation.
  When: After every written code
  Format: Real number data
  How: By counting and recording a prespecified spreadsheet
  Whom: By Beyza Özgür and Bora Yörük

- **Number of executable, declarative, blank and comment lines**
  What: Number of code lines to measure the size of the project
  When: After coding and testing processes are done
  Format: Real number data
  How: By recording the number of lines to a spreadsheet
  Whom: By Birkan Sarıbacak

- **Amount of budget allocated before and spent after the project**
  What: Amount of budget allocated before the project and total amount spent after the project is finished.
  When: After a new tool or need has been purchased.
  Format: Real number data
  How: By recording our predetermined budget and total costs spent on tools that used in our project to a spreadsheet.
  Whom: By Kubilay Kalkan

- **Number of training days**
  What: Training days of learning tools for each member
  When: Determined working days
  Format: Real number data
  How: Everyone will report their study time and these times will be recorded to a specified spreadsheet
  Whom: By Birkan Sarıbacak, Beyza Özgür, Bora Yörük, Kubilay Kalkan

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Measurement Type	Description	Example Measurements
Effort Measurements	Total hours spent on tasks and meetings by the team	Number of individual working hours (**Example:** 50 hours)
Defect Measurements (Testing)	Finding the defects of the codes	Bugs and mistakes found in the codes (**Example**: 15 lines of unnecessary codes)
Cost Management	Keeping track of tool expenses	Money amount (**Example**: $50)
Product Quality Measurements	Keeping track of customer feedbacks and the number of customer-involved meetings	**Meetings Example:** 15 meetings **Feedback example:** 10 positive feedbacks
Time Management	The number of days that spent to learn how to use the new tools	**Example:** 5 days
Product Size Measurements	The number of code and comment lines	**Example:** 1000 lines of code