**Лабораторын ажил №2**

**Хэрэглэгчийн хэрэгцээг ойлгох ба User Story бичих**

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### **Ажлын үе шат**

**Алхам 1. Проектийн зорилго, хамрах хүрээ**

* Бид ямар асуудлыг шийдэх гэж байна вэ? **→** Ирц бүртгэлийг гар аргаар хийх нь цаг их зарцуулдаг, алдаа гарах магадлалтай.
* Бүтээгдэхүүн хэнд туслах вэ? → Их, дээд сургуулийн багш нарт туслана.
* Гол функцууд:
  + Ангид байгаа оюутнуудын зургийг авах,
  + Бүртгэлтэй оюутнуудтай царай танилт хийх,
  + Ирц бүртгэх,
  + Ирцийн мэдээллийг хадгалах,
  + Тайлан гаргах.

**Алхам 2. User Story-ийн формат (10 мин)** Формат:

* As a [type of user], I want [some goal], so that [some reason].
* Монголчлон: [Хэрэглэгчийн төрөл] нь [зорилго/юу хийх], [шалтгаан] гэж хүснэ.

Жишээ:

* As a teacher, I want to scan students’ faces, so that I can record attendance automatically.
* Монголчлон: Багш нь оюутнуудын нүүрийг скан хийж, автоматаар ирц бүртгэхийг хүснэ.

**Алхам 3. User Story бичих**

1. As a teacher, I want to choose a class, so that I can get specific students’ information.
2. As a teacher, I want to take a picture of the class, so that I can record attendance automatically.
3. As a teacher, I want to edit attendance records, so that I can fix mistakes.
4. As a teacher, I want to delete incorrect attendance entries, so that my data is accurate.
5. As a teacher, I want to generate attendance reports, so that I can review students’ participation.
6. As a teacher, I want to view daily attendance, so that I can check who attended today.
7. As a teacher, I want to filter attendance by student, so that I can see individual performance.
8. As a teacher, I want to log in securely, so that my data is protected.
9. As a teacher, I want to add student profiles, so that the app can recognize their faces.
10. As a teacher, I want to mark absentees automatically, so that I don’t need to check manually.
11. As a teacher, I want to export reports in Excel, so that I can submit them to administration.
12. As a teacher, I want to access attendance records offline, so that I can still use it without internet.
13. As a teacher, I want to sync data when online, so that records are backed up.

**Алхам 5. Бүтээгдэхүүний Backlog үүсгэх**

| **ID** | **User Story (As a… I want… so that…)** | **Priority (High/Medium/Low)** | **Notes** |
| --- | --- | --- | --- |
| US-01 | As a teacher, I want to choose a class, so that I can get specific students’ information. | High | Must have |
| US-02 | As a teacher, I want to take a picture of the class, so that I can record attendance automatically. | High | Must have |
| US-03 | As a teacher, I want to edit attendance records, so that I can fix mistakes. | Medium | Should have |
| US-04 | As a teacher, I want to delete incorrect attendance entries, so that my data is accurate. | Medium | Should have |
| US-05 | As a teacher, I want to generate attendance reports, so that I can review students’ participation. | High | Must have |
| US-06 | As a teacher, I want to view daily attendance, so that I can check who attended today. | High | Must have |
| US-07 | As a teacher, I want to filter attendance by student, so that I can see individual performance. | Medium | Nice to have |
| US-08 | As a teacher, I want to log in securely, so that my data is protected. | High | Must have |
| US-09 | As a teacher, I want to add student profiles, so that the app can recognize their faces. | High | Must have |
| US-10 | As a teacher, I want to mark absentees automatically, so that I don’t need to check manually. | Medium | Should have |
| US-11 | As a teacher, I want to export reports in Excel, so that I can submit them to administration. | Medium | Should have |
| US-12 | As a teacher, I want to access attendance records offline, so that I can still use it without internet. | Low | Nice to have |
| US-13 | As a teacher, I want to sync data when online, so that records are backed up. | Low | Nice to have |