Smart Boarding Management System (SBMS) – User Stories

Epic 1 — Student Experience

- **US-STU-01**: As a student, I want to search and filter boardings so that I can find suitable accommodation.
- **US-STU-02**: As a student, I want to view detailed boarding profiles so that I can evaluate options.
- **US-STU-03**: As a student, I want to book visiting appointments so that I can inspect rooms before registration.
- **US-STU-04**: As a student, I want appointment confirmations so that I know when to visit.
- **US-STU-05**: As a student, I want to register for a boarding via the platform.
- **US-STU-06**: As a student, I want to receive payment reminders.
- **US-STU-07**: As a student, I want to make secure online payments.
- **US-STU-08**: As a student, I want to view my monthly bills.
- **US-STU-09**: As a student, I want to add reviews and ratings.
- **US-STU-10**: As a student, I want to report issues.
- **US-STU-11**: As a student, I want to submit maintenance requests.
- **US-STU-12**: As a student, I want to receive notifications.

Epic 2 — Boarding Owner Module

- **US-OWN-01**: As an owner, I want to publish boarding advertisements.
- **US-OWN-02**: As an owner, I want to manage my ads.
- **US-OWN-03**: As an owner, I want to manage student appointments.
- **US-OWN-04**: As an owner, I want to propose visit time slots.
- **US-OWN-05**: As an owner, I want to add monthly utility costs.
- **US-OWN-06**: As an owner, I want to boost advertisements through payments.
- **US-OWN-07**: As an owner, I want to report misbehaving students.
- **US-OWN-08**: As an owner, I want to manage subscription plans.
- **US-OWN-09**: As an owner, I want to receive notifications.

Epic 3 — Admin Module

- **US-ADM-01**: As an admin, I want to review submissions and reports.

- **US-ADM-02**: As an admin, I want to approve or reject ads.

- **US-ADM-03**: As an admin, I want to manage user accounts.

- **US-ADM-04**: As an admin, I want to publish third-party ads.

- **US-ADM-05**: As an admin, I want to view analytics dashboards.

- **US-AM-06**: As an admin, I want to view system activity logs.

Epic 4 — Payment & Billing

- **US-PAY-01**: As a student, I want to pay boarding and utility charges online.

- **US-PAY-02**: As a student, I want to view my payment history.

- **US-PAY-03**: As the system, I want to auto-generate monthly bills.

- **US-PAY-04**: As the system, I want to verify payments securely.

- **US-PAY-05**: As the system, I want to send payment notifications.

Epic 5 — Notifications & Communication

- **US-NOT-01**: As any user, I want to see in-app notifications.

- **US-NOT-02**: As the system, I want to send email notifications.

- **US-NOT-03**: As a user, I want to mark notifications as read.

Epic 6 — Authentication & Authorization

- **US-AUTH-01**: As a user, I want to register securely.

- **US-AUTH-02**: As a user, I want to log in using JWT authentication.

- **US-AUTH-03**: As the system, I want role-based access control.

- **US-AUTH-04**: As a user, I want to reset my password.

Epic 7 — System Infrastructure

- **US-INF-01**: As the system, I want to store files in AWS S3.

- **US-INF-02**: As a developer, I want the system deployed on AWS EC2.

- **US-INF-03**: As the system, I want high performance under load.

- **US-INF-04**: As the system, I want proper system logs.

- **US-INF-05**: As the system, I want to route requests using API Gateway.

Epic 8 — Third-Party Integrations

- **US-INT-01**: As the system, I want payment gateway integration.

- **US-INT-02**: As the system, I want email service integration.

- **US-INT-03**: As an admin, I want to upload external advertisements.

Epic 9 — Future Enhancements

- **US-FUT-01**: As a student, I want access via a mobile app.

- **US-FUT-02**: As a student, I want AI-based recommendations.

- **US-FUT-03**: As users, we want real-time chat.